

Global Conference on Public Health

Interventions to mitigate risk factors for public health issues

 **Hotel Crowne Plaza**
Salahuddin Road - Deira - Dubai



April 18-19, 2024

Sessions Covered

Dental Science  **Advanced Dentistry**

Psychology  **Neuroscience**

Cancer Science  **Radiology**

ORGANIZED BY:

UNITED RESEARCH FORUM would like to gratefully acknowledge and thank the following organizations for their support & collaboration for the GCPH 2024

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Ms. B. Rajitha, Advisor of GPHC2024

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Prof Ekatherina Charvalos, INVITROLABS, Greece

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Vimal Kumar Mohandas, Saram Education, UAE

Rasha Sadeq Abdin, American University of Sharjah, UAE

OPENING & CLOSING REMARKS

Day 1 - Prof Dr Otilia Manta, Romanian American University, Romania

Day 2 - Prof. Saeed Amal, Northeastern University, USA

SESSION CHAIRS & CO-CHAIRS

Prof Dr Otilia Manta, Romanian American University, Romania

Dr. Edyta Skibinska, American University in the Emirates, UAE

Joanne Rico, Salma Rehabilitation Hospital, UAE

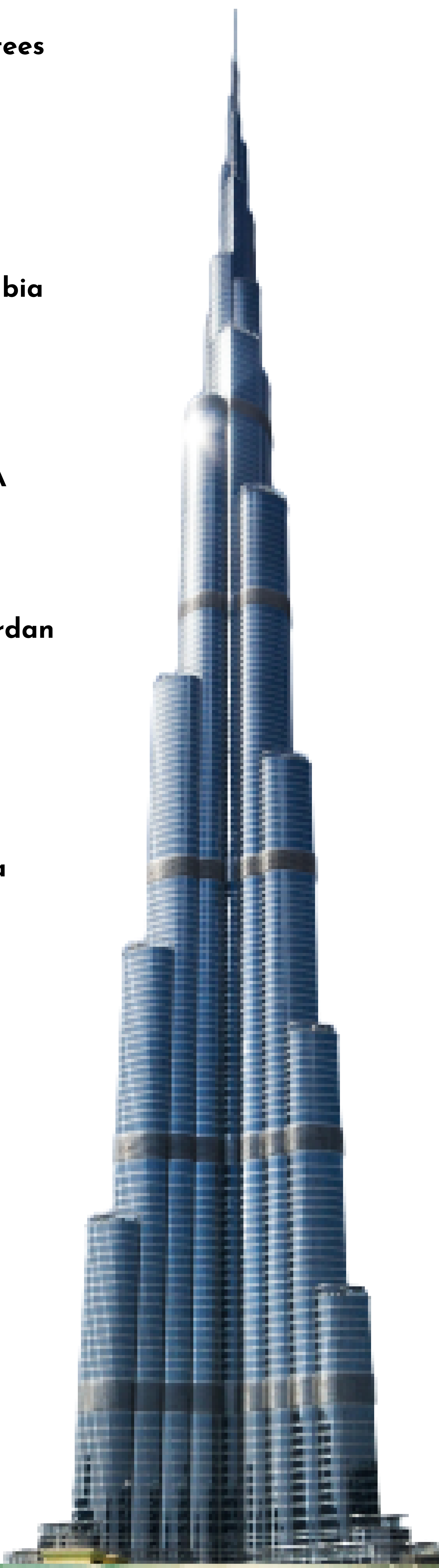
Dr Navid Omidifar, Shiraz University of Medical Sciences, Iran

MODERATORS

Vimal Kumar Mohandas, Saram Education, UAE

Mr. John Surendran, Conference Secretariat, GCPH2024

Sultanova Manzura Qurbonshoevna, Association of CBT, Russia



PLENARY SPEAKERS & HONORABLE CHIEF GUESTS

Day 1 - CA Amit Kumar Garg, Managing Director of Bricks and Woods, UAE

Day 2 - Prof. Saeed Amal, Northeastern University, USA

KEYNOTE SPEAKERS

Dr. Edyta Skibinska , American University in the Emirates, UAE

Dr. Maysar Sarieddine, Founder/ Director at The Inner Space, Lebanon

CA Amit Kumar Garg, Founder of Bricks and Woods, UAE

Prof Dr Otilia Manta, Romanian American University, Romania

Dr. Angelo Reynolds, Founder of Transformers Academy, USA

Dr. Hemachandran K, Director - AI Research Centre, Woxsen University, Hyderabad, India

Joanne Rico, Salma Rehabilitation Hospital, UAE

ONLINE WORKSHOP

Obeta Ifeanyi Sebastian, Cambridge University, UK

ORAL PRESENTERS

Sultanova Manzura Qurbonshoevna, Association of CBT, Russia

Dr Ahmad Gholami, Shiraz University of Medical Sciences, Iran

Dr Mansoureh Shokripour, Shiraz University of Medical Sciences, Iran

Dr Navid Omidifar , Shiraz University of Medical Sciences, Iran

Dr. Feng Zhang, Chongqing Medical University, China

Ms. Rania Lachouri, King's College London University, UK

Dr. Shivam Dubey, Mental Health Education Inc, USA

Rakan Alhrahsheh, Al Ain University, UAE

Dr Rasha Alsaidq Alhaj, Queen Mary University of London, UK

Dr. Zhuo Tian, Chongqing University, China

Fatima Adlan, Heriot-Watt University, Dubai

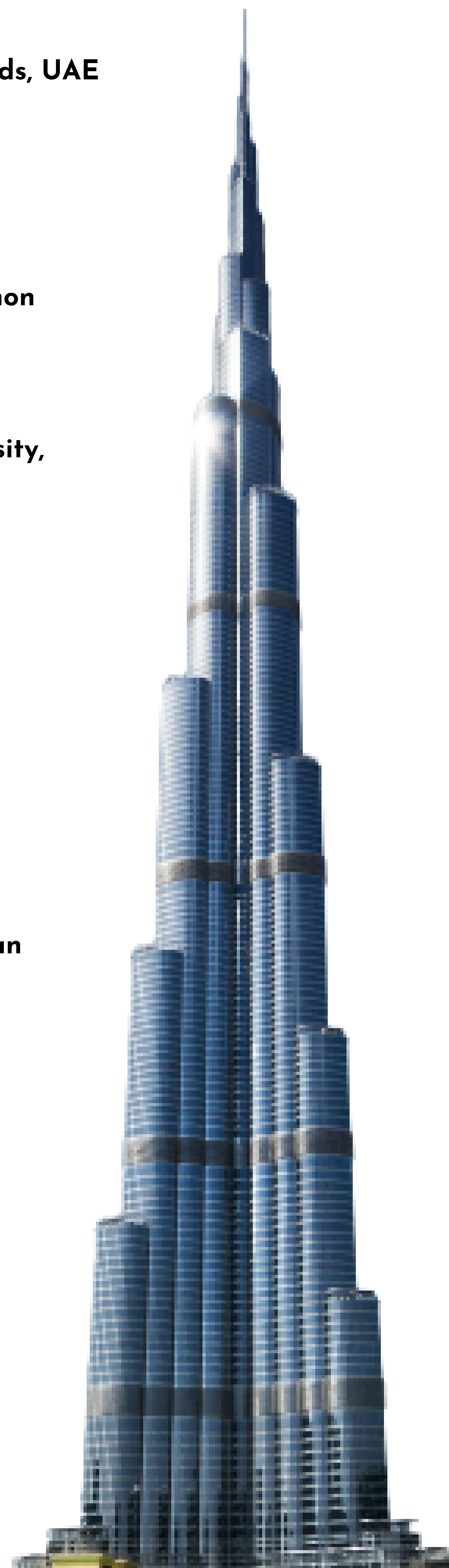
Ms Rojda Celik, Uskudar University, Turkey

Dr. Shifa Saleem, Irish Wellness Medical Center, UAE

Andrew Amadeus Susilo, Singapore

Maria Lourdes A. de Vera, RN, Manila, Philippines

Kyle R. Anderson, Ontario, Canada



Ramanayake R.V.K.T.M, Gampaha Wickramarachchi University of Indigenous Medicine, Srilanka

Langwa Elizabeth Mfikela, Senhofa, cameroon

Dr. Aline Maguiabou Tchidjo, Cameroon

Mutaz Alhamshary, University Hospitals Bristol and Weston, UK

Dr Priyanka Patil, University College London, UK

Mr Mabina Mogale, Sefako Makgatho Health Sciences University, South Africa

Dr Ranim Quraby, Salford Royal Hospital, UK

POSTER PRESENTERS

Ludmila Zarska, CATRIN-Palacky University Olomouc, Czech Republic

Dr. Maryam Sheikh, Sheffield university, UK

Dr. Entesar Omer Hasaballa Omer, Qatar Foundation, Qatar

Sakina Murtaza, Manipal Academy of Higher Education, UAE

Lynn Clifford Dsouza, Manipal Academy of Higher Education, UAE

Ianevski Aleksandr, University of Helsinki, Finland

Ms Marta Wieczorkiewicz, New York University Shanghai, UAE

POINTS TO REMEMBER:

- **All Day 2 sessions are Fully Virtual**
- **In absence of any presenter, the next presentation will be moved forward, we ask all to be present in the conference hall 1 hour prior to their presentation**



Scientific Program

GLOBAL CONFERENCE ON
PUBLIC HEALTH

Dubai, UAE
April 18, 2024

April 18, 2024
Hall Name: Al Habari

08:00-08:45 Onsite Registrations

08:45-09:00 Opening Remarks by Honorable Conference Chairman
Prof Dr Otilia Manta, Romanian American University, Romania



Keynote Forum (09:00-11:00)

Session Chair: Prof Dr Otilia Manta, Romanian American University, Romania

09:00-09:30 Title: Bridging Gaps, Building Futures: Legal and Social Perspective on Public Health Challenges and Solutions in the Era of COVID-19
Dr. Edyta Skibinska, American University in the Emirates, UAE



09:30-10:00 Title: The Paradox of Modern Times
Dr. Maysar Sarieddine, Founder/ Director at The Inner Space, Lebanon



10:00-10:15 Title: Digital Technology and Mental Health Interventions: Opportunities and Challenges
CA Amit Kumar Garg, Managing Director of Bricks and Woods, UAE



Introducing Dignitaries & Honoring with Momentos 10:15 to 10:45

Health Break + Group Photo 10:45 to 11:00

Session 1: Oral Forum (11:00-12:00)

Session Chair: Prof Dr Otilia Manta, Romanian American University, Romania

11:00-11:15

Title: Lasers on Oral Pre Cancerous Lesions
Dr. Shifa Saleem, Irish Wellness Medical Center, UAE



11:15-11:30

Title: Antiproliferative and Apoptotic Effects of Graphene Oxide @AlFu MOF Based Saponin Natural Product on OSCC Line
Dr Ahmad Gholami, Shiraz University of Medical Sciences, Iran



11:30-1145

Title: Ganoderma lucidum methanolic extract as a potent phytoconstituent: characterization, in-vitro antimicrobial and cytotoxic activity
Dr Mansoureh Shokripour, Shiraz University of Medical Sciences, Iran



11:45-12:00

Title: Recent Progress in Prompt Molecular Detection of Exosomes Using CRISPR/Cas and Microfluidic-Assisted Approaches Toward Smart Cancer Diagnosis and Analysis
Dr Navid Omidifar, Shiraz University of Medical Sciences, Iran



Networking Lunch 12:00 to 13:00

Session 2: Oral Forum (13:00-14:15)

Session Chair: Dr. Edyta Skibinska, American University in the Emirates, UAE
Session Co-Chair: Joanne Rico, Salma Rehabilitation Hospital, UAE

13:00-13:15

Title: The Efficiency of Orofacial Myofunctional Therapy in Treating Obstructive Sleep Apnea: A Meta-Analysis of Observational Studies
Dr. Feng Zhang, Chongqing Medical University, China



13:15-13:30

Title: Perceptions and awareness of preconception care in the UK Population
Ms. Rania Lachouri, King’s College London University, UK



13:30-13:45

Title: Impact of Self-Awareness Training on Students’ Emotional and Social Wellbeing
Dr. Shivam Dubey, Mental Health Education Inc, USA.



13:45-14:00

Title: The correlation between social class and public health: The mediating role of health self-management
Rakan Alhrahsheh, Al Ain University, UAE



14:00-14:15

Title: Enhancing Breast Screening Programs through Breast Risk Stratification
Dr Rasha Alsaidq Alhaj, Queen Mary University of London, UK



14:15-14:30

Title: Model and standard of interdisciplinary service in elderly patients with chronic diseases
Dr. Zhuo Tian, Chongqing University, China



14:30-14:45

Title: "The value-based healthcare can be achieved by using technology" A qualitative study exploring the perception of frontline workers in clinics in the United Arab Emirates towards the adoption of technology to provide valued services using the hybrid model (TOE-TAM)
Fatima Adlan, Heriot-Watt University, Dubai



14:45-15:00

Title: Amplitude Asymmetry in Treatment-Resistant and Non-Resistant Depression
Miss.. Rojda Celik, Uskudar University, Turkey



15:00-15:15

Title: The Role of CBT in the era of speeds

Sultanova Manzura Qurbonshoevna, Association of CBT, Russia



15:15-15:30

Title: The case for global health - empwering a community of youth advocates

Andrew Amadeus Susilo, Singapore



Health Break + Group Photo 15:30-15:45

Session 3: Poster Presentations 15:45 to 17:15

Poster Judge: Dr Navid Omidifar, Shiraz University of Medical Sciences, Iran

15:45-16:00

Title: Dual Agent Delivery in Oncology Treatment Using Graphene Oxide-Based Nanoplatfoms

Ludmila Zarska, CATRIN-Palacky University Olomouc, Czech Republic



16:00-16:15

Title: Mucous Membrane Pemphigoid

Dr. Maryam Sheikh, Sheffield university, UK



16:15-16:30

Title: Designing an Effective Capacity Building Training Program for the Public Health System during Mass Gatherings in the Middle East

Dr. Entesar Omer Hasaballa Omer, Qatar Foundation, Qatar



16:30-16:45

Title: DNA methyl seq Analysis to study the effect of Kaempferol on promoter methylation of TSGs in cervical cancer cells

Lynn Clifford Dsouza, Manipal Academy of Higher Education, UAE
Sakina Murtaza, Manipal Academy of Higher Education, UAE



16:45-17:00

Title: Development of Advanced Mathematical and Machine Learning Methods for Personalized Cancer Therapy

Ianevski Aleksandr, University of Helsinki, Finland



17:00-17:15

Title: Evaluating the UAE's Healthcare Legal Framework During COVID-19

Ms Marta Wieczorkiewicz, New York University Shanghai, UAE



17:15-17:30

Title: ype 2 Diabetes Mellitus & Family history: A case control study

Miss.Afifah Mohamed Abbas, Gulf Medical University, UAE



Awarding Ceremony + Certificate Distribution +
Photo Sessions (17:30-17:45)

Closing Remarks (17:45-18:00)

End of Day 1

Keynote Forum 2 (09:00-11:00)

09:00-09:30

Title: Shaping Tomorrow's Healthcare Landscape: The Role of Generative AI and the Metaverse

Dr. Hemachandran K, Director - AI Research Centre, Woxsen University, Hyderabad, India



09:30-10:00

Title: Emerging Trends and Tactics: Healthcare Marketing in the Post-COVID Landscape

Joanne Rico, Salma Rehabilitation Hospital, UAE



Session 4: Oral Forum (10:00-12:40)

10:00-10:20

Title: Coping with Traumatic Brain Injury: How can they improve the recovery process?

Maria Lourdes A. de Vera, RN, Manila, Philippines
Kyle R. Anderson, Ontario, Canada



10:20-10:40

Title: The theorem behind in reliving from the post covid vaccination effect .The literature review

Ramanayake R.V.K.T.M, Gampaha Wickramarachchi University of Indigenous Medicine, Srilanka



10:40-11:00

Title: Problem facing mental health patients and the elderly persons

Langwa Elizabeth Mfikela, Senhoba, cameroon



11:00-11:20

Title: Female identity, vulnerability and victimization. Analysis of the situation and psychological intervention in the Ouro-Tada internally displaced persons camp

Dr. Aline Maguiabou Tchidjo, University of Ebolowa, Cameroon



Scientific Program

GLOBAL CONFERENCE ON PUBLIC HEALTH

Dubai, UAE
April 19, 2024 | Virtual

11:20-11:40

Title: Lung cancer screening with low dose CT
Mutaz Alhamshary, University Hospitals Bristol and Weston, UK



11:40-12:00

Title: Nurture Early for Optimal Nutrition: A community based randomised controlled trial to improve infant feeding and care practices using participatory learning and actions approach
Dr Priyanka Patil, University College London, UK



12:00-12:20

Title: Awareness and Perceptions of Health care professionals on the use of continuous glucose monitoring for patients with Type II Diabetes in Tshwane, South Africa
Mr Mabina Mogale, Sefako Makgatho Health Sciences University, South Africa



12:20-12:40

Title: Intestinal Failure Type and Treatment
Dr Ranim Quraby, Salford Royal Hospital, UK



Online Workshop (12:40-13:30)

12:40-13:30

Title: A journey into Data Analytics and AI in Healthcare
Obeta Ifeanyi Sebastian, Cambridge University, UK



Keynote Forum 3 (13:30-14:45)

13:30-14:00

Title: The relationship between learning motivation and online learning performance in the context of Artificial Intelligence and the impact on mental health
Prof Dr Otilia Manta, Romanian American University, Romania



14:00-14:45

Title: Overcoming Obstacles: The Creation and Development of the Resilient Mindset

Dr. Angelo Reynolds, Founder of Transformers Academy, USA



Honorable Chief Guest & Plenary Speaker

14:45-15:30

Title: Artificial Intelligence Tool for Cancer Diagnosis and Efficacy Gauging

Prof. Saeed Amal, Northeastern University, USA



Closing Remarks by Honorable Chief Guest Prof Saeed Amal (15:30-15:45)
(End of Day 2)

NOV | 2024

22-23

DUBAI, UAE

Global Summit and Expo on
**Lasers, Optics and
Photonics**

NOV | 2024

22-23

DUBAI, UAE

Global Summit and Expo on
**Advanced Materials
Science and
Nanotechnology**

**Artificial Intelligence and
Data Science for Healthcare
Research**

JULY | 2024

16-17

DUBAI, UAE

NOV | 2024

28-29

PORTO, PORTUGAL

Global Meet and Expo on
**Applied Science
and Engineering**

NOV | 2024

28-29

PORTO, PORTUGAL

Global Summit and Expo on
**Renewable and
Sustainable Energy**

For all Conference Enquires regarding Abstract Submission, Registration :

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International Scientific Coordinator / Business Development Manager

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 johnsurendra@urforum.org

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LETTER FROM THE CEO & DIRECTOR



On behalf of United Research Forum, UK we are pleased and delighted to welcome the organization of the Global Conference on Public Health covering the sessions Psychology & Neuroscience, Cancer Science & Radiology, Dental Science and Advanced Dentistry at Hotel Crowne Plaza Deira, Dubai from April 18-19, 2024

Our goal is to providing an international forum where international scientists meet with scientists from the different fields of health care sectors to exchange ideas and information on current trends of research results and practical experiences. We are looking forward to welcoming all of you in Dubai and to have with you an excellent meeting with great scientists from different countries around the world and sharing new and exciting results in the different subjects of the conference.

We hope that you will enjoy your stay in Dubai and advice you to take this opportunity to visit the beautiful historical sites that you can find everywhere in the country. Finally, I would like to add my best wishes for a successful and fruitful conference and many thanks to our partners the organizers of this Conference.

A handwritten signature in black ink that reads "Dr. Vanga".

Sincerely,

Dr. Vanga

CEO, Director

URF, UK

LETTER FROM THE CHAIRMAN

I am truly excited for GCPH2024 always I am

Dear Esteemed Colleagues, Distinguished Guests, and Participants,

My warm thanks to the Director & CEO of United Research Forum Dr Vanga, for the opportunity of welcoming and addressing you. It is an honour and privilege.I am grateful that You are all welcome to send your research papers to the Global Conference on Public Health which will be held on 18 – 19 April 2024 atHotel Crowne Plaza Dubai under the theme “Interventions to mitigate risk factors for public health issues” to exchange ideas on addressing the diversity of healthcare management worldwide especially in this critical juncture of our civilization where disease knows no borders.

It will feature internationally renowned speakers who will share, discuss, and dissect significant new developments and scientific advancements. They will also be sharing insights into cutting edge technologies that will impact the future of clinical trials and related fields. So we are looking forward to a highly productive meeting of great healthcare professionals from different countries around the world.

It is expected to establish an interactive platform through this conference to recognize the contribution of the public health interventions in safeguarding public health and envisioning the way forward. The discussions will be focused at

- Understanding the core principles and policies of public health interventions thereby evaluating its potential in restructuring the future health systems
- Recollecting the recent events in which the public health interventions were of utmost importance
- Assessing the extent of improvement that had occurred in the relevant areas throughout the history
- Identifying the strengths and weaknesses related to them with reference to research findings and recent incidents
- Analysing the future challenges and opportunities with special emphasis to the proactive measures that are applicable
- Distinguishing the valuable contributions made by different stakeholders and closely related health sectors in the upliftment of public health interventions

I congratulate for your commitment, active participation and wish you all the success

Each one of us can make a difference. Together we can make change

Sincerely,
Prof. Dr. Otilia Manta
Romanian Academy
Romanian American University
Romania



ORGANIZING COMMITTEE MEMBERS



Ms. B. Rajitha
Co-Director, URF



Dr. Erica Edfort,
Chamberlain University, USA



Mrs. Susan Kitching, Northern Area
Armed Forces Hospital, Saudi Arabia



Prof. Patricia Morris-Thompson,
Buckinghamshire New University USA



Prof. Sherif Salib,
Mutah University, Jordan



Prof. Dr. Waleed Ghanim Thanoon,
University of Al Mosul, Iraq



Prof Ekatherina Charvalos,
INVITROLABS, Greece



Dr. David Pastor-Escuredo, UCL,
UNICEF and LifeD Lab, Spain



Dr. Malshani Pathirathna, University
of Peradeniya, Sri Lanka



Prof. Sandro Serpa,
University of the Azores Portugal



Vimal Kumar Mohandas
Saram Education, UAE



Mr John Surendran, India
Conference Secretariat
GCPH2024

GLOBAL CONFERENCE ON PUBLIC HEALTH

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



CA AMIT KUMAR GARG

Managing Director of Bricks and Woods, UAE

Digital Technology and Mental Health Interventions: opportunities and Challenges

Background: With the increasing prevalence of mental health disorders globally, there is growing interest in the potential of digital technology to enhance mental health interventions. However, there are both opportunities and challenges associated with the integration of digital technology into mental health care.

Objective: This paper aims to explore the opportunities and challenges of utilizing digital technology in mental health interventions through a systematic literature review.

Method: A systematic literature review was conducted to analyze studies exploring the use of digital technology in mental health interventions. Relevant articles were identified through searches of electronic databases such as PubMed, and GoogleScholar. Inclusion criteria encompassed studies published within the last ten years that investigated digital technology-based interventions for various mental health disorders.

Results: The systematic review revealed a wide range of digital technologies being employed in mental health interventions, including mobile apps, wearable devices, virtual reality, and telemedicine platforms. These interventions showed promise in improving access to mental health care, increasing treatment adherence, and providing personalized interventions. However, challenges such as privacy concerns, data security issues, and the digital divide were identified as potential barriers to the widespread adoption of digital mental health interventions.

Conclusion: Digital technology presents significant opportunities for enhancing mental health interventions by providing innovative and accessible solutions. However, addressing the associated challenges is crucial to ensuring the effectiveness, safety, and equitable delivery of digital mental health care.

Keywords: Digital technology, mental health interventions, systematic literature review, opportunities, challenges.

Biography:

CA Amit Kumar Garg is recognized for his unwavering commitment to excellence across a broad spectrum of real estate initiatives. With over 22 years of experience in bookkeeping and accounting, he maintains a positive and ambitious approach to his work. Holding a DISA qualification from ICAI, he is holding the position of Chief Investment Officer at Tumuh Real Estate Middle East Fund and Managing Director at Bricks and Wood Real Estate LLC. Throughout his career, he has earned a reputation for providing exceptional financial advisory services and real estate solutions to clients worldwide, highlighting his dedication, perseverance, and a track record of success.

GLOBAL CONFERENCE ON PUBLIC HEALTH

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



FENG ZHANG

Children's Hospital Affiliated to Chongqing Medical University, China.

The Efficiency of Orofacial Myofunctional Therapy in Treating Obstructive Sleep Apnea: A Meta-Analysis of Observational Studies.

Background: Obstructive sleep apnea (OSA), a public health problem affecting increasing numbers of people, is a sleep-related respiratory disorder characterized by recurrent episodes of complete or partial obstruction of the upper respiratory tract during sleep.

Objective: The literature on orofacial myofunctional therapy (OMT) in children and adults with obstructive sleep apnea (OSA) was systematically reviewed to investigate the effects of OMT on patients with OSA by age and disease severity to verify the effect of OMT on OSA.

Method: We searched the articles published up to February 12, 2022 and followed the preferred reporting project for systematic review and meta-analysis of reports.

Results: Of the primary indicators for evaluating OSA, 13 studies reported on the apnea index (AHI), showing a decrease in the mean standard deviation of AHI from before OMT to after OMT ($P < 0.00001$). The lowest oxygen saturation was reported in nine studies, and the mean standard deviation of the lowest oxygen saturation increased from before to after OMT ($P = 0.0009$).

Conclusion: Oral and facial muscular function therapy can be used as a simple and non-invasive new technique to improve the AHI, minimum oxygen saturation, ESS, and snoring intensity in patients with mild and moderate OSA and the lowest oxygen saturation in patients with severe OSA.

Keywords: Sleep apnea syndrome; Oral and facial movement; OSA; Treatment;

Biography:

I have over 16 years' experience as a Otolaryngologist working in the Department of Otolaryngology and Head and Neck Surgery, Children's Hospital Affiliated to Chongqing Medical University, China. I am mainly engaged in the clinical and teaching work of pediatric otorhinolaryngology, head and neck surgery, and conduct basic and clinical research on pediatric snoring. In recent years, I have presided over 2 provincial and ministerial projects, completed more than 20 academic papers, published 3 teaching articles, completed 1 teaching project, participated in the compilation of 4 works, and obtained a practical patent.

GLOBAL CONFERENCE ON PUBLIC HEALTH

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



RANIA LACHOURI

Prof Prashant Jha

King's College London University, UK

Perceptions and awareness of preconception care in the UK Population

Background: Despite a global decline in child and infant mortality rates, recent statistics show an alarming 4870 stillbirths and neonatal deaths per year in the UK, with many of these deaths being preventable. Literature has revealed that Pre-conception Care (PCC) is a critical strategy to combat this public health issue. However, several studies have also shown that the global awareness and comprehension of PCC across the public remains limited. This is despite strong evidence showing that the promotion of healthier lifestyles, the identification of potential birth risks, and the implementation of preventative natal measures through PCC programs have shown better health outcomes for the child and parent.

Objective: To investigate the knowledge, attitudes, and perceptions of women and men, of reproductive age in the UK, regarding PCC. Identifying knowledge gaps can inform public health policies aimed at raising awareness and promoting informed decision-making.

Method: A survey amongst a diverse sample population of 500 participants was conducted across both men and women who are of reproductive age within the UK. The survey aimed to quantify the general awareness of PCC and understand its perception across the sample population.

Results: Despite PCC's evidenced potential to improve health outcomes and alleviate potential maternal and infant complications, the comprehension of key PCC principles was shown by only a small fraction of the surveyed population. The survey analysis revealed an alarming lack of awareness regarding PCC. These findings were shared across both men and women with diverse ethnic and educational backgrounds.

Conclusion: The lack of PCC awareness and understanding revealed by this analysis highlights the necessity of an improved strategy for the provision of targeted education and awareness campaigns to reduce this gap in knowledge for the UK population and encourage greater uptake of PCC. These actions are pivotal in reducing the impact of preventable infant mortality whilst bringing forth positive health outcomes for both parents and infants.

Keywords: Preconception care, pre-pregnancy, public health, maternal mortality, infant mortality.

Biography:

I'm a fourth-year PhD researcher specialising in Biomedical Engineering and Imaging Sciences, I'm dedicated to addressing public health challenges, with a focus on reproductive health, including preconception care. My academic journey includes Bachelor's and Master's degrees in Biomedical Engineering from the University of King's College London. Under the mentorship of Prof. Prashant Jha, leading the Affordable Medical Technologies Department and co-directing the MScMedTech Innovation and Entrepreneurship program.

GLOBAL CONFERENCE ON PUBLIC HEALTH

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



RAKAN ALHRAHSHEH

Al Ain University, UAE

The correlation between social class and Public health: The mediating role of health self-management

Background: The inaugural nationwide study examining the correlation between health and social class in the UAE delves into the mediating role of health self-management.

Objective: Enhancing the level of public health within the country is of paramount importance, with a particular emphasis on the intermediary function of health self-management. As posited by Oakman et al. in 2020, there is a pressing recommendation to adopt contemporary strategies aimed at ameliorating the overall health status of the lower socioeconomic strata.

Method: The study employed a descriptive approach, manifested through a social survey conducted via a meticulously crafted questionnaire tailored to fulfill the study's objectives. This methodology was deemed most suitable due to its efficiency in saving time and effort, while simultaneously yielding comprehensive insights.

Results: The findings reveal a positive association between social class and health, indicating that lower social classes tend to experience poorer health outcomes. Despite having access to nutritious food and engaging in self-evaluation practices, individuals from lower social classes face greater challenges in accessing healthcare compared to their counterparts in the upper class. Consequently, this disparity exacerbates health inequalities between members of different social strata.

Conclusion: The study contributes significantly by offering a theoretical framework tailored for decision-makers and policymakers. This model aims to enhance the health status of the lower and middle classes within society by raising awareness about the critical role of public health self-management. This includes initiatives to reduce health illiteracy and foster collaboration with both official and unofficial state institutions in this domain.

Keywords: social class, health inequality, Public health, self-management health.

Biography:

With over 15 years of professional experience in sociology, I am currently employed at Al Ain University in Abu Dhabi. Prior to this role, I held positions at multiple universities in Jordan, where I accumulated extensive expertise in teaching sociology courses and overseeing research endeavors. My instructional focus encompasses guiding students in the preparation of quantitative research and proficient analysis of data through statistical methodologies, leveraging tools such as SPSS, AMOS, and NodeXL. Additionally, I have actively contributed to international projects and served as an academic accreditation consultant for the sociology discipline.

GLOBAL CONFERENCE ON PUBLIC HEALTH

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



ZHUO TIAN

Chongqing General Hospital, Chongqing University, China.

Model and standard of interdisciplinary service in elderly patients with chronic diseases

Background: The healthcare needs of the elderly are gradually increasing as the population ages worldwide. Elderly patients with chronic diseases have a variety of complex problems such as co-morbidities, disability, and geriatric syndromes, which require comprehensive assessment.

Objective: In order to improve and enhance the diagnostic and therapeutic capacity of geriatric medicine, improve the quality of geriatric chronic disease diagnostic and therapeutic services, and meet the needs of aging and multiple chronic disease diagnosis and treatment of the elderly.

Method: Through searching domestic and foreign literature and conducting on-site clinical research, a multidisciplinary team diagnosis and treatment model and norms in geriatric medicine have been formed through expert consensus.

Results: By improving the appointment and registration team meeting process, community or elderly care institution referral team meeting process, and emergency consultation process, a multidisciplinary diagnosis and treatment service model and norms for chronic diseases in geriatric medicine will be formed.

Conclusion: It is necessary to form a geriatric multidisciplinary team with geriatric characteristics, and to form a geriatric multidisciplinary diagnostic.

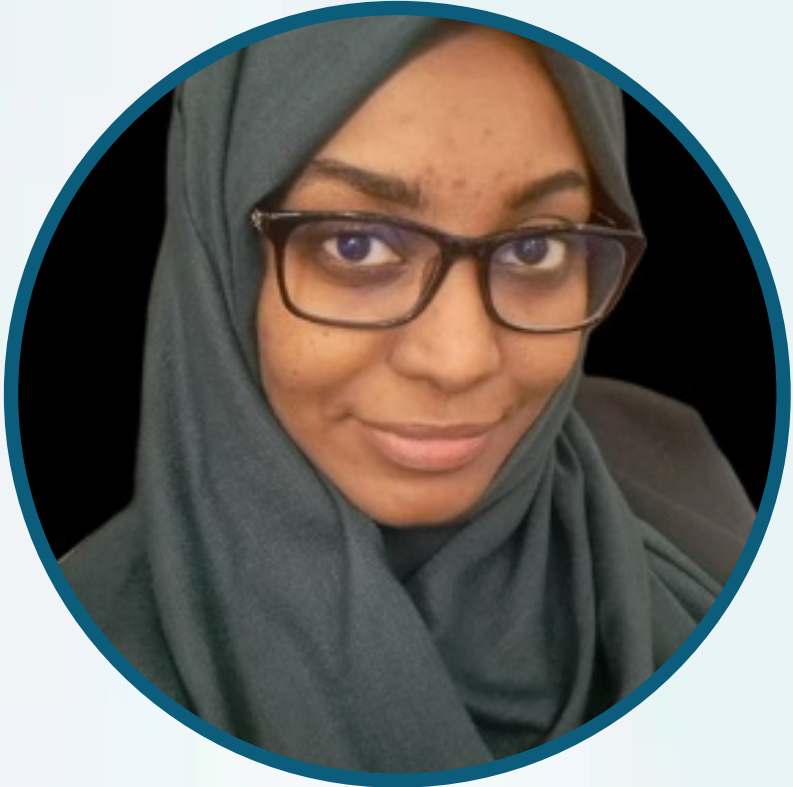
Keywords: Chronic diseases ,Multidisciplinary diagnosis and treatment,Geriatrics.

Biography:

I am a Doctor of Cardiology and Deputy Chief Physician in Geriatrics. I have been mainly engaged in clinical work in geriatric medicine for 18 years and have rich work experience. I have been selected as a hospital management talent. I am in charge of a Chongqing Natural Science Foundation project. I have one national utility model patent. I am a member of the Remote Health Branch of the Chinese Geriatrics Association and a young member of the General Practice Branch of the Chongqing Medical Association.

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FATIMA ADLAN

Heriot-Watt University, Scotland-UK -Dubai Campus

“The value-based healthcare can be achieved by using technology” A qualitative study exploring the perception of frontline workers in clinics in the United Arab Emirates towards the adoption of technology to provide valued services using the hybrid model (TOE-TAM)

Background: The UAE Health Strategy emphasizes two aspects adopting innovative technologies and delivering quality healthcare services, while the frontline workers in UAE clinics are burdened with daily activities. This research focuses on the gap between the implementation of the UAE strategy and the practical uses of these clinics, highlighting the importance of addressing behaviour in response to change.

Objective: The research aims to explore the perception of frontline workers within UAE clinics to adopt innovative technologies to provide value-based healthcare

Method: Data is collected through online semi-structured interviews of twenty five frontline workers within the UAE clinics to support a qualitative approach

Results: The UAE government strategies are the main factor influencing the adoption of the technologies by the UAE clinics. Frontline workers' positive behaviour facilitates acceptance of care while negative behaviour is associated with resistance and challenges that delay acceptance and value of services.

Conclusion: The research concludes that new technologies can provide value-based services through effective communication. These services are associated with the positive behaviour of frontline workers which stems from the level of acceptance and intent to use the technology.

Keywords: Organizational behaviour, Organizational change management, The hybrid model TOE and TAM, Healthcare, Technology adoption

Biography:

I am a pharmacist, product manager , strategic system thinker, researcher, and female leader. Interdisciplinary background includes over 12 years of experience in medical , management, and strategic perspectives. I earned a Master's degree in business strategy ,leadership and change, and a Bachelors in pharmacy.I worked several years as a pharmacist in different facilities and I am currently working as a product Director. My work involves managing products and AI tools and techniques that enable teams to make data-driven decisions and apply these techniques in healthcare ecosystem.

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ANDREW AMADEUS SUSILO

Singapore

The case for global health - empowering a community of youth advocates

Background: Global health is a relatively less well-recognised field in the global agenda due to complexities of multilateral and international cooperation, and lack of adequate support for advocates in the field. In the globalised world today, we will face threats from infectious diseases and transnational issues like food/drug safety and health-related lifestyles.

Solution hypothesis: My proposed virtual network platform, OnehealthXchange, shall aim to facilitate networking and innovation for global health among youth across the globe. Through the network, OnehealthXchange shall aim to engage accredited professionals to equip youth with training and resources, and to expose them to symposiums, events, and ongoing global health projects to deepen their knowledge. Within the network, OnehealthXchange shall aim to empower youth to apply their knowledge for developing public health / global health projects both locally in their communities and transnationally, and groom them as leaders to develop more youth advocates and create a ripple effect in expanding the network.

Objectives: OnehealthXchange shall aim to pool together youth from diverse backgrounds to facilitate interdisciplinary cross-collaboration and spur innovation, transcending geographical boundaries; incentivise voluntary youth advocates to utilise the opportunity as stepping stones for their career paths; foster continuity of learning and development through the ripple effect for improving impact of global health programmes; and leverage on community-level support and funding.

Plans: OnehealthXchange's unique value proposition shall be in providing equal grounds for youth across the globe to come together through an accessible virtual network based on principles of equity, equipping them with practical skills and development incentives, with a focus on shaping public health inside-out from their local communities out into the world. Enrolment of youths into OnehealthXchange's resources will be through a cross-compensation model, where fee tiering will apply to enable less privileged communities to enjoy the resources at lower fees than more privileged communities. Schools may enrol students as a package with a discounted total fee. Global health partners may benefit from recruiting youth participants for their projects by paying a fee for outreach to their target audience.

Call to action: No one has joined the cause yet, and no concrete directions have been set, not even a blueprint for a pilot project. If you would like to contribute a small step towards the big change, feel free to contact me for collaborations. Mentors, sponsors, and programme partners are welcome.

Keywords: global health, community, youth advocacy

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Biography:

I am a graduate from Nanyang Technological University, Singapore, and I am building my career in academia and public health. I am a budding social entrepreneur who has participated in entrepreneurship incubator programmes and exposed myself to the workings of some social enterprises. I have received some training in aspects of youth leadership which can provide a foundation towards my interest in empowering youth transnationally to be advocates of public health and global health, starting from health promotion in their local communities. I am passionate about this domain of public health as every aspect of our lives can be linked to social determinants which affect our health and resilience both individually and at a population level, and it is imperative to have a global effort to take action to strengthen our global health resilience.

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ENTESAR OMER

Qatar Foundation, Qatar

Designing an Effective CapacityBuilding Training Programfor the Public Health System during Mass Gatherings in the Middle East

Background: Large-scale events in the Middle East necessitate a well-prepared public health system. This study proposes a framework based on the principles of capacity building to develop an effective training program for Public Health Providers (PHPs) in the region. The program aims to enhance their skills for managing mass gatherings and address region- specific challenges like cultural considerations, language barriers, and resource limitations.

Objective: To propose a framework for developing a training program that enhances the skills of Middle Eastern Public Health Providers (PHPs) in managing mass gatherings.

Method: The study proposes a blended training program delivered in four modules and tailored for Middle Eastern PHPs. The program combines digital and in-person training with simulations. A distinctive new aspect is the application of the Equivalent Training Strategy (ETS), which simultaneously enhances routine functions and readiness for mass gathering scenarios. The program caters to varied learning preferences by incorporating motivational factors, supported by supplementary online resources and ongoing support mechanisms.

Methodologically, the research employs a rigorous approach, including needs assessments through surveys, competency-based interviews, and contextual event analyses to identify knowledge gaps and training requirements. This emphasis on evaluation underscores the research's commitment to strengthening the Public Health System (PHS) for mass gathering scenarios, ultimately enhancing public health outcomes and safety.

Discussion: At its core, this research centers on enhancing Middle Eastern PHPs' competencies for managing mass gatherings. The proposed training program aligns with this goal, adeptly addressing challenges specific to the region, such as cultural considerations, language barriers, and resource limitations. By harmonizing diverse pedagogical approaches with the pioneering ETS methodology, the program equips PHPs to navigate the complex dynamics of mass gatherings.

Conclusion: This timely study introduces a pioneering Capacity Building Training Program (CBTP) tailored for Middle Eastern PHPs. By harmonizing diverse pedagogical approaches with the pioneering ETS methodology, the program equips PHPs to navigate the complex dynamics of mass gatherings. Continuous support, feedback loops, and evaluations optimize the program, enhancing the PHS's capability to ensure public health safety during mass gatherings. This impactful study contributes to the discourse of capacity-building in public health, potentially leading to improved public health outcomes during mass gatherings in the Middle East.

Keywords: Mass Gatherings, Capacity building,

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Biography:

My experience at Qatar's Ministry of Public Health has been instrumental in leading and contributing to vital public health initiatives. Leading COVID-19 case investigations within educational institutions exemplifies this, where I ensured effective communication. I co-led the Ministry's capacity-building team for the FIFA World Cup, designing and delivering training programs for national surveillance teams. My commitment extends beyond borders, with contributions to national preparedness exercises and project evaluations in Africa. A recent internship with EMPHNET further enhanced my expertise in field epidemiology, and I'm continuously learning through a Teaching, Learning, and Innovation certificate program

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NAZIA AFROZE

Lynn Clifford Dsouza, Sakina Murtaza, Arif Hussain

Manipal Academy of Higher Education, Dubai, UAE.

DNA methyl seq Analysis to study the effect of Kaempferol on promoter methylation of TSGs in cervical cancer cells

Background: Considering its reversible nature, the epigenetic modifications can be targeted for epigenetic based cancer therapy. Polyphenols has been found to be promising in reversing chromatin modification and DNA methylation pattern in cancer cells.

Objective: This study intends to investigate the effect of kaempferol as an epigenetic modifier.

Method: The isolated DNA and RNA from kaempferol treated and untreated Hela cells were subjected to DNA Methyl-seq followed by qPCR respectively. Various chromatin-modifying enzymes such as DNA methyltransferases (DNMTs) and histone deacetylases (HDACs), were tested for their biochemical activities and quantified mRNA transcript in kaempferol-treated HeLa cells were quantified by using qPCR. Additionally, expression of migration-related genes at transcript and protein levels, were examined by qPCR and protein profiler array respectively which were corroborated at cellular level through invasion and scratch wound assays.

Results: Kaempferol treatment reduced the methylation of various TSGs, leading to their corresponding reactivation which was confirmed at transcript level through qPCR. Kaempferol mediated hypermethylation of DNMTs and HDACs were presumably reduced their expression and biochemical activity. The molecular studies were well backed by the cell-based studies as the expression of various migratory genes (MMP-2 and MMP-8) were downregulated, which was observed to be consistent with the cell-based studies thus proving the anti-migratory behaviour of Kaempferol in HeLa cells.

Conclusion: Our findings elucidate significant alterations in the expression profiles of migration-related genes, corroborating the observed phenotypic changes in cellular migration. This integrated approach not only enhances the comprehensiveness of our investigation but also strengthens the reliability of our results. Collectively, elucidation of Kaempferol's epigenetic regulatory properties offers new avenues for the development of targeted and efficacious cancer therapies.

Keywords: Kaempferol, epigenetic modification, DNA methylation, epigenome, Methyl sequencing

Biography:

I have over 15 years' experience as teaching profession in different institution. I have been teaching for more than 6 years as assistant professor at Manipal Academy of Higher Education, Dubai, UAE. I, help University students learn how to write scientifically, focusing on practical skill development. With experience teaching diverse subjects (Molecular Biology, cell & tissue engineering, nanobiotechnology, advanced genomics, molecular medicine) at the under graduate level, I offer tailored instruction that nurtures curiosity, critical thinking, and collaboration.

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MARTA WIECZORKIEWICZ

NYU Center for Applied Social and Economic Research, UAE

Evaluating the UAE's Healthcare Legal Framework During COVID-19

Background: The COVID-19 pandemic tested the resilience of global healthcare systems and legal frameworks. In the United Arab Emirates (UAE), it exposed the strengths and weaknesses of the legal foundations supporting public health. This research delves into the UAE's healthcare legal framework's role in the pandemic response.

Objective: To assess how the UAE's legal framework supported or limited the healthcare system's response to COVID-19, with an aim to identify legal measures' effectiveness in pandemic management and suggest enhancements for future health crises.

Method: The study involves analyzing the UAE's pre-pandemic healthcare laws, emergency measures enacted during COVID-19, public health mandates, and the enforcement of these laws. It draws on legislation, policy documents, healthcare outcomes, and expert opinions to evaluate the legal response's impact.

Results: The examination shows the pivotal role of the UAE's rapid legal actions, such as the implementation of emergency protocols and health guidelines, in effectively controlling the pandemic's impact. Despite these efforts, the study also uncovers difficulties in ensuring adherence to these measures and their enforcement, pointing to necessary areas for enhancement. Moreover, the strategic legal approach to the vaccine distribution process underscores the significant benefits of legal readiness in achieving positive public health results.

Conclusion: The UAE's experience underscores the critical role of a robust legal framework in pandemic management. Lessons learned from COVID-19 call for legal reforms and the establishment of comprehensive public health emergency laws to bolster future pandemic preparedness and response.

Biography:

With a Bachelor of Arts double major in Law & Global China Studies from New York University Shanghai, I bring a unique interdisciplinary perspective to legal research and practice. My internships with Mohammad Al Najjar Advocates and Legal Consultants in Dubai and Fangda Partners in Shanghai have enriched my understanding of legal systems, providing hands-on experience in legal research, document drafting, and compliance. As a Research Assistant at the NYU Center for Applied Social and Economic Research, I've contributed to significant projects such as "The Social Impact of COVID-19 in the United States: Wave 3 Report." My campus and community involvement, particularly as President of the NYU Shanghai Social Science Club and the NYU Shanghai Collective Voice Debate Club, underscores my commitment to fostering academic and social discourse.

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DR. HEMACHANDRAN K

Dr. Hemachandran K, Director - AI Research Centre, Woxsen University, Hyderabad, India

Shaping Tomorrow's Healthcare Landscape: The Role of Generative AI and the Metaverse

Abstract: Generative AI and the Metaverse are poised to revolutionize healthcare, offering unprecedented opportunities for improving patient outcomes and healthcare delivery. This presentation explores how these technologies can reshape the healthcare landscape, from personalized medicine and treatment planning to enhancing medical training and patient care experiences. We will examine successful case studies, ethical considerations, and the potential for collaborative healthcare environments. Our discussion aims to highlight the transformative impact of Generative AI and the Metaverse on the future of healthcare, emphasizing innovation, accessibility, and patient-centered care.

Biography:

Dr Hemachandran Kannan is the Director of the AI Research Centre, Associate Dean of the School of Business, and Area Chair of the Analytics Department at Woxsen University. He is an ambassador of the AI Accelerator Institute and an Advisory Board member in many international and national companies such as AptAI Labs, USA, Agzitence Pvt, Ltd, and many more. He served as an effective resource person at various national and international scientific conferences and also gave lectures on topics related to Artificial Intelligence. Currently serving as Expert at UNESCO and ATL Mentor of Change.

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MARIA LOURDES A. DE VERA¹
KYLE R. ANDERSON²

1. RN, Manila, Philippines
2. Ontario, Canada



Coping with Traumatic Brain Injury: How can they improve the recovery process?

Background: A TBI (traumatic brain injury) is an injury that affects how the brain works. TBI is a major cause of death and disability in the world. person recover from brain damage?

Some people may be able to return to the same level of ability they had before TBI. Others need lifetime care. Some long-term effects of TBI can show up years later.

Objective: Brain health and healing: The need for social reintegration after injury takes into full account the long term effects of disability and to be able to function fully puts into consideration the importance of post traumatic guidance concerning rehabilitation. The availability and understanding of health care resources to address the wide range of deficiencies experienced by TBI survivors.

Method: In 2023, a TBI survivor reached out to write a narrative on his post Injury experience.

Story telling offers clarity and closure that allows the person to establish a direction and a goal. Book writing is journey in both time and space. Granting the writer a reflective state to reorganize and ground oneself.

While the world of a TBI is ambiguous to most people the narrative provided a deeper understanding of the challenges encountered by brain injury survivors. In an effort to find meaning and closure the devastating effect of disability.

As a TBI survivor has written recommendations for improving the health and recovery. A narrative addressing experience on healing and recovery from a traumatic brain injury. Focusing the steps undertaken towards transformation overcoming debilitating effects of physical and emotional trauma.

Self IManagement of trauma is a daunting task. It commences self acceptance leading to survival, and ultimately recovery.

There are many alternatives to healing and recovery that are readily accessible. This presents an unconventional approach to recovery. The use of Affirmations to develop and re-establish a positive self esteem and body image.

The challenges and difficulties encountered during the healing process are unique to each person. The search for inner peace was established by a desire to find meaning and connection with God.

Travel as a coping mechanism. An outer journey for an innermost search. Traveling has provided solace and answers. Witnessing both positive and negative realities around the world opened his perception to the harsh realities of life.

Results: The experience offers an insight into the challenges encountered in an effort to find full recovery. The role of different forms of therapy in the healing journey, as meditation, yoga and introducing psychedelics ayahuasca, and DMT. Providing new insights, perspectives and alternatives that contributed to recovery.

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Conclusion: Nursing Care extends beyond conventional settings. Responding to both mental health and rehabilitation asks for empathy, compassion and understanding. The road to Recovery is not a straight line.

Healing through the arts. Is an innovative way of punctuating an otherwise transformative experience.

Writing offers a cathartic and artistic expression. Clarification of knowledge and understanding of the post Injury experience and situation offers closure and acceptance.

Providing guidance and assisting rehabilitation is an individualised program focusing on the understanding of critical care and measures that provides an advantage to our patients to restore and restart Life while keeping in mind all consideration involved with disability guiding them to achieve the optimum level of functioning. Aligned with the best possible options the health care in compliance.

Keywords: TBI, patient care, disability, trauma, healing, recovery, meditation, yoga

Biography:

I have over 15 years' experience as a Nurse health care professional working with several hospitals system as a Clinical Instructor to provide the highest level of care possible. As an Nurse educator, I taught my students the processes to follow to provide appropriate levels of care for critical care patient.

Kyle Anderson is a professional Snowboarder.

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LANGWA ELIZABETH MFIKELA

SENHOFA, cameroon

Problem facing mental health patients and the elderly persons

Background: I did my research in cameroon in the northwest region and in ogoja Nigeria where i run my organization for mental health and elderly persons from 2016-2023 and i found out that mental health persons and elderly persons suffer abuse including systematic abuse

Objectives. To strives to uphold and restore the right, dignity and to guarantee the general wellbeing of the Vulnerable elderly persons and mentally deraged

Method: the program carried through research , data collection, interview and intervention.

Results. Many mental deraged and elderly person face allots of problem which includes 1, Abuse including systemic abus and corruption 2, Inadequate mental health and elderlyhealth care facilities only very few and highly cost facility available which many can not afford and as such most of them run mad on the street: Vulnerable persons had no access to health care due to theirpoor situation, poor health and nutritional status

Too few housing facilities: most of the elderly IDPs had no places to stay,and more than 13_15 persons are leaving in oneroom with no food or anything to manage which can lead to diseases out break

- 1)To few community base servicesand empowerment programsto sustain them in theirold age
- 2)Social security system
- 3)HIV/AIDS pandemic
- 4)Neglect, marginalization, disrespect, exploitation and violence
- 5)Abandonedment

In disadvantaged area like Babungo, Ndop, Babessi,Jakiri, kwanso,babanki, mankon,mendankwe, Bamenda 1,2 and 3 Bafussam, Yaounde,Duoala ,buea,and other states,and in Nigeria, etc.Where i carried out my research, the study says that many elderly persons with their orphans or mentally deraged children face alots of abuse, what emerged supprisingly in the interview were subject to delivery of food items which more than 50% had neverreceived support or been able to register their names.

- Exploitation at shops, unsatisfied health care services and no access to health care due to their poor situation.and high cost of health care services especially in mental health clinics.dispitntjis had situation face by the mentally deraged and elderly persons, the universal coverage program brought to cameroon does notfavour them and they are excluded from the benefit
- Personal safetymany of the Vulnerable population face insecurity and are not dafe due ongoingsociopolitical crises.
- Loss of respectfor elderly.
- Having to care for grandchildren of theirlate children with no means of survival especially when they have poor healthand nutritional issue.

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- Diverse infrastructural deficits. most of the elderly IDPs who are in town have no place to stay with their grandchildren and more than 13 persons live in a single room with accommodated rents of more than 7 months, some had been parked out by the landlord with no place to go lack of sanitation and poor roads .
- Abusive and discriminatory, that is constituting systemic abuse, that is contributing to their marginalization exclusion and therefore violation of their rights.

Size, severity of the issue, needs and evidence

Study conducted in Bamenda, Bafussam, Buea, Yaounde, Douala and Nigeria Total number of elderly 60 years persons, mentally deranged = 15000

75% were bound to physical and abuse including rape. 65 % of the elderly have orphans of their late 250 had children with disabilities and mentally deranged and most of them have nothing to leave with nor source of income. 100 are suffering from chronic illness like mental health and HIV/AIDS, 250

face abandonment, rejection and neglect from their families including force Accusation of witchcraft and banishment from the community. 55% are IDPS with no house facility and had never receive food items or support from any NGOs

In Bamenda

Mentally deranged persons 75% don't receive treatment and go out on Street becoming prone to all sort of Abuse including rape and early marriages.

85 % of mental cases are youths indulge into drugs addict due unemployment and school drop out due to financial issues

Our organization is established to address this issues of elderly and vulnerable persons Abuse to provide empowerment programs to elevate poverty among the elderly and Vulnerable population and to prevent abuse.

Types of abuse are reported to occur in the participant social environment and can be classified as the system use and view in the community as best practices which includes

- Physical Abuse (beating, shouting)
- Emotional/verbal abuse (Discrimination, harmful words)
- Accusation of witchcraft (Banishment, ostracism, physical danger, seizure of assets)
- Financial abuse (extortion, control of asset's and money)
- Exploitation and theft of properties, seizure of Land
- Sexual Abuse (incestuous rape, and criminal rape)
- Neglect and lack of respect, withhold of affections
- Abandonment
- Systemic abuse and dehumanizing treatment in the communities, health clinics, pension pay points and government offices

Conclusion: Issue of elderly person and mentally deranged need to be addressed world wide ,and mental health facilities be created, including elderly Care facilities our organization is the only nursing home for the elderly that directly offer services to the elderly about 25 mental health clinics with high cost prices exist for mental Care and only 3 including our facility offer long term care ,our organization will like to partner with many more organization to create more facilities for mental health and geriatrics in Cameroon and Africa as a whole . with the council to protect the rights of this Vulnerable population as stated above in the table. I Wish to appeal to public health, WHO, UN ,State holders to look on the health situation of the IDPs , older persons and those in our area of operation be granted free access to health

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care and full mental health treatment and let them be enrolled in to universal health coverage, which our organization will take part in insuring that all the older persons and their mentally deranged are registered and granted them insurance cards that covers all the illness to easy work for us and to allow healthcare of the aging and to put in mind and consideration the rights of the older persons and Vulnerable persons which the International human rights and African Charter on the right of older persons, state that every older person has the right to access health care to the highest and standard of their choice no matter their condition or background. Our older persons and mentally deranged the being neglected, marginalize and abandoned. I urge that their right should be respected in every aspect including Healthcare, Economically, Social Security and Basic needs. Housing and food distribution. And Also insure that the orphans of this older persons had free access to education and health as most of them

Biography:

I have 3 master's degrees Certificate. Master's in clinical counseling and psychology. Master's in mental health and psychiatrics Masters in humanitarian crises. I also have bachelor's degree in geriatrics Nursing and HND in general nursing. I have 15 years experience as a nurse, 7 years experience as a mental health and geriatrics specialist, 7 years as director and founder of many organizations Senhoba, Caritas, Cuso international and fhi 360

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MUTAZ ALHAMSHARY

University Hospitals Bristol and Weston, UK

Lung Cancer Screening with Low Dose CT: A Vital Tool for Early Detection

Abstract: Lung cancer remains a leading cause of cancer-related mortality worldwide, often diagnosed at advanced stages with poor prognosis. However, advancements in imaging technology, particularly low dose computed tomography (LDCT), have revolutionized early detection strategies. This abstract presents a comprehensive overview of the efficacy, benefits, and challenges associated with LDCT-based lung cancer screening programs. Key topics include the rationale for LDCT screening, patient selection criteria, evidence supporting its efficacy in reducing lung cancer mortality, and potential harms such as overdiagnosis and radiation exposure. Furthermore, this presentation addresses the importance of multidisciplinary collaboration in implementing effective screening programs, the role of risk prediction models in optimizing screening outcomes, and ongoing research efforts aimed at refining screening protocols and improving patient outcomes. By highlighting the significant impact of LDCT-based lung cancer screening on mortality reduction and emphasizing the need for continued research and collaboration, this presentation aims to underscore the importance of integrating LDCT screening into comprehensive cancer control strategies globally.

Keywords: Exosomes, CRISPR-Cas systems, Cancer Diagnosis, DNA

Biography:

I am Mutaaz Alhamshary, a passionate and dedicated medical professional committed to making a positive impact in healthcare. Graduating from Mutah University in 2019 with a degree in medicine, I embarked on a journey to serve patients and contribute to the medical community.

From 2019 to 2022, I honed my clinical skills while working in primary care and emergency medicine settings in Jordan. This experience provided me with a strong foundation in managing a wide range of medical conditions and delivering compassionate care to patients in need.

In 2022, I transitioned to the National Health Service (NHS) in the UK, where I have been applying my expertise in trauma and orthopedics, as well as emergency medicine. My time in the NHS has expanded my clinical knowledge and provided me with valuable insights into the healthcare system of a different country.

In addition to my clinical work, I have a keen interest in academic pursuits, particularly in publishing and quality improvement. I actively engage in research endeavors aimed at advancing medical knowledge and enhancing patient outcomes. I am also passionate about promoting quality improvement initiatives within healthcare settings, with a focus on optimizing processes and delivering high-quality care to patients.

With my dedication to excellence and commitment to lifelong learning, I am poised to make significant contributions to the field of medicine and improve the lives of patients around the world.

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PRIYANKA PATIL

University College London, UK

Nurture Early for Optimal Nutrition: A community based randomised controlled trial to improve infant feeding and care practices using participatory learning and actions approach

Background: The first 1000 days of life are a critical window and can result in adverse health consequences due to inadequate nutrition. South-Asian (SA) communities face significant health disparities, particularly in maternal and child health. Community-based interventions, often employing Participatory-Learning and Action (PLA) approaches, have effectively addressed health inequalities in lower-income nations. The aim of this study was to assess the feasibility of implementing a PLA-intervention to improve infant-feeding and care-practices in SA communities living in London.

Methods: Comprehensive analyses were conducted to assess the feasibility/fidelity of this pilot randomised controlled trial. Summary statistics were computed to compare key metrics, including participant consent rates, attendance, retention, intervention support, and perceived effectiveness, against predefined progression rules guiding towards a definitive-trial. Secondary outcomes were analysed, drawing insights from multiple sources, such as The Children's-Eating-Behaviour Questionnaire (CEBQ), Parental-Feeding-Style Questionnaires (PFSQ), Food-diary, and the Equality-Impact-Assessment (EIA) tool. Video analysis of children's mealtime behaviour trends was conducted. Feedback interviews were collected from study participants.

Results: Process-outcome measures met predefined progression rules for a definitive-trial which deemed the intervention as feasible and acceptable. The secondary-outcomes analysis revealed no significant changes in children's BMI z-scores. This could be attributed to the abbreviated follow-up period of 6-months, reduced from 12-months, due to COVID-19-related delays. CEBQ analysis showed increased food responsiveness, along with decreased emotional over/undereating. A similar trend was observed in PFSQ. The EIA-tool found no potential discrimination areas, and video analysis revealed a decrease in force-feeding practices. Participant feedbacks revealed improved awareness and knowledge sharing.

Conclusion: This study demonstrates that a co-adapted PLA-intervention, is feasible and well-received in optimising infant-care practices among South-Asian community members in a high-income country. These findings highlight the potential of community-based-interventions to enhance health-outcomes promoting health-equity. As next-steps, the NEON intervention is being adapted to tackle food-insecurity in 0-11-year-olds in Medway/UK.

Keywords: childhood obesity, infant nutrition, community-based

Biography:

I am an accomplished and highly skilled healthcare professional with a unique blend of expertise in Public Health. With a distinguished Master's in Public Health from Kings College, London, I possess a profound background in healthcare, science, communication, and analytical thinking. I am passionate about improving the overall health and well-being of communities, and have garnered extensive experience working closely with various local authorities and councils across London. I have actively contributed to qualitative and quantitative research studies in public health, demonstrating my proficiency in conducting analysis and scientific research leading to publications in academic journals.

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PROF. DR. OTILIA MANTA

*Romanian Academy, Victor Slăvescu" Centre for Financial and Monetary Research,
Mountain Economy Center, CE-MONT, Vatra Dornei, Romania
Romanian-American University, Bucharest, Romania*

The relationship between learning motivation and online learning performance in the context of Artificial Intelligence and the impact on mental health

Abstract: This study explores the correlation between learning motivation and online learning performance within the realm of Artificial Intelligence education, with a focus on its implications for mental health. Drawing upon organizational socialization theory, four typical socialization strategies—informational feedback, interactive support, member education, and information provision—are investigated within brand communities. The study reveals that all four strategies positively influence social identification and subsequently enhance learning frequency and duration. Additionally, the economic incentive (i.e., extrinsic motivation) of the platform impacts user behavior (i.e., learning frequency and time). This research sheds light on how extrinsic learning motivation can positively influence users' intrinsic motivation, thereby extending their engagement.

Keywords: socialization strategy, identification, brand communities, organizational theory, learning motivation, online performance

Biography:

Professor PhD, Doctor of Economics (Finance), Scientific Researcher of the Romanian Academy, Professor in International Financial Relations, FinTech and Entrepreneurship, Evaluation Expert and Rapporteur for EU Projects, Expert in investment projects, capacity building, sustainable development at local and global level, founder of companies and NGOs - more than 25 years experienced in financial and banking consulting and EU project management, scientific research in the multidisciplinary field, international reviewer. Experience in investment projects, EU funding, evaluation, and rapporteur for EU projects, written books, scientific papers, and articles published, publisher and editor in international journals, and reviewer.

Through my all academic and professional activity, I have continuously contributed to the development of innovative financial tools, as well as to the development of content suitable for interactive learning, the construction of intelligent learning environments and the enhanced learning of financial technology (FinTech), innovative financial instrument for insurance and public health, as well as other projects and financial instruments for societal well-being.

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DR. ANGELO REYNOLDS

Founder of Transformers Academy

Overcoming Obstacles: The Creation and Development of the Resilient Mindset

Background: Dr. Reynolds is an expert in the areas of mental health and substance abuse by working many years as a police officer, educator, mental health professional and substance abuse facilitator.

Objective: To identify, address and provide viable and useful methodologies in the treatment areas of substance abuse and mental health disorders.

Method: According to the National Institute of Health, there was a 14-33% increase in relapse amongst people struggling with substance abuse. According to the World Health Organization, there was a 25% increase in anxiety and depression since the outbreak of covid 19 pandemic.

Results: By providing several workshops and seminars for clients struggling with substance abuse and/or mental health disorders, positive outcomes from clients reveal they have increased their knowledge base and gained a better understanding of how to reduce the urge to relapse and decrease mental health episodes.

Conclusion: The Transformers Academy is an educational program that focuses on the core measures of personal and professional development. It further provides essential resources and assists communities seeking transformation.

Keywords: Mental health, substance abuse, resiliency, overcoming obstacles.

Biography:

Born the oldest of three siblings, Angelo Reynolds was raised by a single mom in the poor housing projects of Portsmouth, Virginia. Abandoned by his father at age 3, Angelo battled the most tumultuous years of growing up without and becoming a man without the help of his father and faced the many obstacles and challenges placed upon him and his family.

After years of determination, Angelo is currently helping to transform lives through his speeches and books helping those who need life transformations, both in their personal and professional lives.

Dr. Reynolds believes that "transformation begins and ends with self." Transformations as he sees it involve the continuous transitioning of self from one place to another. Dr. Reynolds also believes the universal principles of transformations occur in our personal and professional lives. He believes and practices the universal principle of transformations as Spiritual, Health, Career, Education, and Relationships. These are formidable principles that can be the defining catalysts for your future. Dr. Reynolds believes his own transformations began as early as childhood.

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The trauma of sexual abuse, abandonment of his father, and growing in a poverty-stricken environment in the housing projects, all could have played a different future for him. However, the development of resilience, determination, arduous work, and faith created a different path for his future.

As we all are subject to more of life's setbacks and shortcomings, his personal faith and practice of transformations occurred through a test in 2004 when he nearly lost everything he worked for, was convicted of fraud, and sentenced to 5 years in prison, serving one year of house arrest. Convicted as a felon and unable to gain employment for 7 years, Dr. Reynolds decided to begin using his God-given talents as a writer, speaker, and trainer to assist others who had experienced setbacks, obstacles, challenges, and life-altering events. As a result, he formed The Transformers Academy, with a primary mission of assisting others with their own transformations. Through an array of speaking, training, and the publications of his three books, Dr. Reynolds is highly sought after by corporations, educational institutions, churches, and healthcare professionals to assist both with personal and professional growth and transformations.

International Conference on
Dental Science and Advanced Dentistry

April 18-19, 2024 | Dubai, UAE



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INTERNATIONAL CONFERENCE ON DENTAL SCIENCE AND ADVANCED DENTISTRY

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



DR.SHIFA SALEEM

Laser Dentist , Consultants Medical Center, Abu Dhabi, UAE

DENTAL LASERS ON ORAL PRECANCEROUS LESIONS

ABSTRACT: Dental Lasers on Oral Pre cancerous lesions. Oral precancerous lesions are areas of abnormal tissue in the mouth that have the potential to develop into cancer. Detecting and managing these lesions early is crucial for improving prognosis and maintaining quality of life. Treatment Approaches: For moderate or severe dysplasia (which has a higher risk of becoming cancerous), doctors may remove the lesion and a small margin of healthy tissue, Laser beams can be used for this purpose, providing a minimally invasive approach., Local anesthesia is often used during the procedure, and patients can typically return home the same day. Photodynamic therapy (PDT) using lasers and photosensitizing agents is being investigated for its efficacy in managing oral leukoplakia, a common precancerous condition. We will review on the treatment of oral lichen planus using 980nm diode laser, oral submucous fibrosis treatment with diode laser and oral leukoplakia treatment using diode laser.

Early detection and appropriate management play a crucial role in preventing the progression of oral precancerous lesions. Regular dental check-ups and awareness are essential for maintaining oral health.

Keywords: dental laser, Oral pre cancerous lesions, oral lichen planus.

Biography:

Experienced General /Cosmetic Dentist with a demonstrated history of working in the dental practice industry. - DIPLOMA IN INFECTION CONTROL [UK] - DIPLOMA in Laser Dentistry[ITALY] - MOH LICENSED Certificate in IMPLANT DENTISTRY [Switzerland] - Practicing since 6years in UAE,12years of total clinical experience - Interviews published on Gulf Today newspaper on July 2017,Oct 2017, Nov 2017, June 2018 and May 2019.

International Conference on

Psychology and Neuroscience

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INTERNATIONAL CONFERENCE ON PSYCHOLOGY AND NEUROSCIENCE

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



DR. SHIVAM DUBEY

Mental Health Education Inc, USA

Impact of Self-Awareness Training on Students' Emotional and Social Wellbeing

Abstract: The cultivation of life skills, also known as soft skills, is critical for students' overall development and success in both academic and professional settings. This study focused on the critical need to close the Social Emotional Learning (SEL) gap in traditional curricula, with a particular emphasis on emotional intelligence, self-awareness, and interpersonal skills. The Mind Sync Mental Health Program was implemented to enhance Social Awareness competency among students at Academic High & Jr. College. The study employed a cross-sectional pretest-posttest design, grounded in the theoretical framework of SEL. Participants included a diverse student population, and assessments utilized the DESSA tool to measure social and emotional competence. The intervention spanned eight weeks, integrating targeted teaching modules emphasizing empathy, perspective-taking, and effective communication. Results indicated that there was a significant improvement in overall SEL, with a notable reduction in students in the "Need for instruction" range and an increase in the "Strength" range. The Social Awareness competency, a focal point, demonstrated substantial progress, affirming the program's efficacy. Implications included the identified need for targeted SEL interventions, scalable across diverse educational contexts. Limitations were acknowledged, including the study's specific sample and the relatively short intervention duration. Suggestions for future research were made, emphasizing the exploration of long-term effects, incorporation of diverse samples, and utilization of multiple assessment methods. The findings underscored the transformative potential of SEL programs, advocating for their continued integration into educational curricula to foster students' emotional intelligence, resilience, and positive life outcomes.

GLOBAL CONFERENCE ON PUBLIC HEALTH

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



Manzura Sultanova

Association of Cognitive Behavioural therapy, Russia

The Role of CBT in the era of speeds

Background: CBT is a common form of talk therapy based on the combination of the basic principles from behavioural and cognitive. It is different from historical approaches to psychotherapy, such as the psychoanalysis approach where the therapist looks for the unconscious meaning behind the behaviors and then formulates a diagnosis. Instead, CBT is a "problem-focused" and "action-oriented" form of therapy, meaning it is used to treat specific problems related to a diagnosed mental disorder.

Objective: Some research suggests that CBT is most effective when combined with medication for treating mental disorders, such as major depressive disorder. CBT is recommended as the first line of treatment for the majority of psychological disorders in children and adolescents, including aggression and conduct disorder. Researchers have found that other bona fide therapeutic interventions were equally effective for treating certain conditions in adults. Along with interpersonal psychotherapy, CBT is recommended in treatment guidelines as a psychosocial treatment of choice.

Method: CBT is a psycho-social intervention that aims to reduce symptoms of various mental health conditions, primarily depression and anxiety disorders. Cognitive behavioral therapy is one of the most effective means of treatment for substance abuse and co-occurring mental health disorders. CBT focuses on challenging and cognitive distortions (such as thoughts, beliefs, and attitudes) and their associated behaviors to improve emotional regulation and develop personal coping strategies that target solving current problems.

Results: Therapist-led CBT was more efficacious than inactive (wait-lists) and active (any psychotherapy) comparisons in individuals with bulimia nervosa and binge eating disorder. Therapist-led CBT was most efficacious when manualized CBT-BN or its enhanced version was delivered. No significant differences were observed between therapist-led CBT for bulimia nervosa and binge eating disorder and antidepressants at posttreatment. CBT was also directly compared to other specific psychological interventions, and therapist-led CBT resulted in greater reductions in behavioral and cognitive symptoms than interpersonal psychotherapy at posttreatment. At follow-up, CBT outperformed interpersonal psychotherapy only on cognitive symptoms. CBT for binge eating disorder also resulted in greater reductions in behavioral symptoms than behavioral weight loss interventions. There was no evidence that CBT was more efficacious than behavior therapy or nonspecific supportive therapies.

Conclusion: The collaboration nature of CBT allows individuals to actively participate in their own therapy and take responsibility for their thoughts and behaviours. The therapy is typically time-limited, focused and structured, aiming to provide individuals with practical skills and strategies to navigate life's challenges.

Keywords: psychology, CBT, psychotherapy, mental health, depression, anxiety

GLOBAL CONFERENCE ON **PUBLIC HEALTH**

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Biography:

I have been practicing psychology for more than 6 years. At the beginning of my career, I used a variety of approaches, ranging from psychoanalysis to transactional psychotherapy. In the end, I settled on CBT, because of all the directions, CBT helps me and my patients quickly and really effectively. The process of monitoring each patient shows how important and invaluable order is, and just CBT incredibly helps everyone to put their thoughts and emotions in order, not to be afraid of them, not to be shy, not to suppress them.

INTERNATIONAL CONFERENCE ON PSYCHOLOGY AND NEUROSCIENCE

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



ROJDA CELIK

Uskudar University, Health Sciences Institute, Istanbul, Turkiye

Amplitude Asymmetry in Treatment-Resistant and Non-Resistant Depression

Abstract: Depression remains a significant global health concern, with a subset of individuals demonstrating resistance to conventional treatments. This research aims to explore the amplitude asymmetry in neural activity among individuals with treatment-resistant depression (TRD) compared to those with non-resistant depression (NRD). Understanding the neurobiological basis of resistance is crucial for advancing treatment approaches and tailoring interventions to specific subgroups. The research methodology for investigating the differences in alpha amplitude asymmetry between treatment-resistant depression (TRD) and non-resistant depression will involve utilizing EEG results from the previous psychiatry patient database at Üsküdar University NP Brain Hospital. This methodology aims to leverage existing clinical data to explore neurobiological markers associated with treatment resistance. As this is an ongoing research, we anticipate observing significant differences in amplitude asymmetry patterns between individuals with treatment-resistant depression (TRD) and those with non-resistant depression (NRD). Specifically, our hypothesis suggests that TRD will be characterized by distinct asymmetry profiles across various brain regions compared to NRD. These findings could provide valuable neurophysiological markers associated with treatment resistance, paving the way for more targeted therapeutic interventions and a deeper understanding of the neural mechanisms underlying resistance in depression. The implications of identifying amplitude asymmetry patterns in TRD extend beyond diagnostic considerations, impacting the development of personalized treatment strategies. By elucidating the neurobiological signatures associated with resistance, this research contributes to a deeper understanding of depression's heterogeneity and guides the development of more effective and tailored interventions for individuals facing treatment-resistant challenges.

Keywords: treatment resistant depression, non-resistant depression, amplitude assymetry, EEG

INTERNATIONAL CONFERENCE ON PSYCHOLOGY AND NEUROSCIENCE

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



ALINE MAGUIABOU TCHIDJO

Patrick Okwen Mba², Daniel Ndavoumta³, Aquilas Etienne Makadji⁴, Maryann Mbangsi Zithem⁵

University of Ebolowa, Cameroon

Female identity, vulnerability and victimization. Analysis of the situation and psychological intervention in the Ouro-Tada internally displaced persons camp (Mokolo, Far North, Cameroon)

Abstract: The security crisis plaguing the Far North Region of Cameroon, since the incursion of the Islamist group Boko-Haram, has led to a vast movement of exodus of exposed populations towards villages, towns or neighboring regions, looking for relative security. The host communities organize themselves as best they can, with the assistance of humanitarian organizations, to provide those internally displaced with the bare minimum necessary for their survival. But the demand for health care, food, water, education and income-generating activities far exceeds supply. This accentuates the vulnerability of these populations, with an exacerbation of the situation among women, mainly among teenage mothers and single mothers. A study carried out in the Ouro-Tada internally displaced persons camp reveals that the situation of socio-economic dependence in which the internally displaced young girl and single mother find themselves exposes them to different forms of violence: physical, economic, sexual, cognitive. It therefore becomes urgent to initiate psychological support programs for these vulnerable groups, to guarantee the adequate achievement of adult developmental tasks and the psychological stability of the identity process.

Keywords: Femininity, motherhood, vulnerability, victimization, developmental tasks, mental health.

Biography:

Holder of a Ph.D. in Developmental Psychology, Senior lecturer at the Department of Philosophy-Psychology-Sociology-Anthropology of development, Faculty of Arts, Letters and Human Sciences, University of Ebolowa, Cameroon. My research fundamentally focuses on femininity, maternity, and the construction of identity in adolescents confronted with bioecological, social, cultural, and technological changes.

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INTERNATIONAL CONFERENCE ON CANCER SCIENCE AND RADIOLOGY

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



AHMAD GHOLAMI

Seyyed Mojtaba Mousavi , Seyyed Alireza Hashemi ,Yasmin Ghahramani, Rouhollah Azhdari ,Khadijeh Yousefi , Fatemeh Fallahi Nezhad ,Neralla Vijayakameswara Rao, Navid Omidifar, Wei-Hung Chiang

Shiraz University of Medical Sciences/ Biotechnology Research Center / Department of Pharmaceutical Biotechnology, School of Pharmacy, Shiraz, Iran.

Antiproliferative and Apoptotic Effects of Graphene Oxide @AlFu MOF Based Saponin Natural Product on OSCC Line

Abstract: The rise in oral squamous cell carcinoma(OSCC) and the negative effects of anticancer drugs have led to a need for better, detectable, and targeted anticancer systems. Saponins, a diverse group of natural glycosides, have been studied for their effectiveness in treating squamous cell carcinoma. Metal-organic frameworks(MOFs) are known for their porous nature and stable structure, making them suitable for biological applications like drug delivery. We fabricated a novel hybrid, highly porous and low-toxic saponin-loaded nanostructure by modifying graphene oxide(GO)/reduced GO(rGO) with aluminum fumarate(AlFu) as MOF core-shell nanocomposite. The characterization of nanostructures was investigated by FTIR, TEM, EDX, FESEM, and BET. MTT assay was used to investigate anticancer activity of these compounds on OSCC and PDL normal dental cells. The effect of the nanocomposites on OSCC was then investigated by studying apoptosis and necrosis using flow cytometry. GO/rGO was decorated with a saponin-AlFu mixture to further investigate cytotoxicity. Results of the MTT assay showed that PDL cells treated with AlFu-GO-saponin at a concentration of 250 µg/mL had a viability of $74.46 \pm 16.02\%$, while OSCC cells treated with this sample at a similar concentration had a viability of only $38.35 \pm 19.9\%$. The anticancer effect of this nanostructure on OSCC was clearly demonstrated. Moreover, the number of apoptotic cells in the AlFu-GO-saponin and AlFu-rGO-saponin groups was $10.98 \pm 2.36\%$ - $26.90 \pm 3.24\%$ and $15.9 \pm 4.08\%$ - $29.88 \pm 0.41\%$, respectively, compared with $2.52 \pm 0.78\%$ - $1.31 \pm 0.62\%$ in the untreated group. This significant increase in apoptotic effect observed with AlFu-rGO-saponin was also reflected in the significant anticancer effect of saponin-loaded nanostructures. Therefore, this study suggests that an effective saponin delivery system protocol for the precise design and fabrication of anticancer nanostructures for OSCC therapy should be performed prior to in vivo evaluations.

Keywords: aluminum fumarate; saponin; squamous cell carcinoma cancer; graphene oxide

Biography:

I am currently serving as an Associate Professor of Pharmaceutical Biotechnology at Shiraz University of Medical Sciences (SUMS) and I am a member of the Biotechnology Research Center and the department of Medical Nanotechnology affiliated with SUMS. My research focuses on pharmaceutical biotechnology and I have published 240 articles since 2004, accumulating 4383 citations. My h-index and i10-index stand at 38 and 90, respectively.

INTERNATIONAL CONFERENCE ON CANCER SCIENCE AND RADIOLOGY

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



MANSOUREH SHOKRIPOUR

Seyyed Mojtaba Mousavi, Seyyed Alireza Hashemi, Ahmad Gholami, Navid Omidifar, Wei-Hung Chiang, Vijayakameswara Rao Neralla, Khadije Yousefi

Shiraz University of Medical Sciences/ Department of Pathology, School of Medicine, Shiraz, Iran

Ganoderma lucidum methanolic extract as a potent phytoconstituent: characterization, in-vitro antimicrobial and cytotoxic activity

Abstract: Ganoderma lucidum methanolic extract (GLME) has attracted tremendous attention due to its exceptional antimicrobial and anticancer properties that can be delicately tuned by controlling the initial extraction's content and concentration. Herein, we detailed the characterization, antimicrobial, and cytotoxic performance of GLME as a potential multi-functional therapeutic agent. Accordingly, FTIR, XRD, FESEM, EDX, and HPLC analyses were employed to assess the samples, followed by disc diffusion and microdilution broth methods to test its antibacterial effects against four Gram-positive and Gram-negative bacterial strains, viz., Enterococcus faecalis, Staphylococcus aureus, Escherichia coli, and Pseudomonas aeruginosa. MTT assay was applied to determine the cytotoxic activity of GLME against PDL and Hek-293 normal cell lines and MCF-7 and K-562 cancer cell lines. The IC₅₀ values of 598 µg mL⁻¹ and 291 µg mL⁻¹ were obtained for MCF-7 and K-562 cancer cell lines, which confirmed the stronger anticancer activity of the GLME against blood cancer cells than breast cancer cells. This is while the IC₅₀ of normal Hek-293 cells is 751 µg mL⁻¹, and the lowest toxicity was observed for normal PDL cells with more than 57% survival at a concentration of 3000 µg mL⁻¹. The results showed that the antibacterial property of this product against E.coli bacteria was higher than streptomycin, so the zone of inhibition was observed as 44 ± 0.09 mm and 30 ± 0.11 mm, respectively. These data provide valuable insights into the therapeutic usage of GLME for treating breast and blood cancers. This work is motivated by research studies looking for pharmacological products to address chronic and acute diseases, where further resources and studies are required to explore such products' adverse effects and toxicity.

Keywords: methanolic extract , antimicrobial, cytotoxic, cancer

Biography:

I am Mansoureh Shokripour, an Assistant Professor of Hematopathology in the Department of Pathology at the School of Medicine, Shiraz University of Medical Sciences. I obtained my medical degree from Tehran University of Medical Sciences from 1998 to 2005 and completed my residency in pathology at Shiraz University of Medical Sciences from 2009 to 2013. My main areas of research interest are Anatomical and Clinical Pathology. To date, I have authored 44 articles, which have received 428 citations. My h-index is 11 and i10-index is 14. Additionally, my Google Scholar profile can be found at: <https://scholar.google.com/citations?hl=en&user=OdvNSaUAAAJ>

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NAVID OMIDIFAR

Seyyed Mojtaba Mousavi, Seyyed Alireza Hashemi, Masoomeh Yari Kalashgrani, Vahid Rahmanian, Mohsen Riazi, Raed Hamed Althomali, Mohammed M. Rahman, Wei-Hung Chiang, Ahmad Gholami

Shiraz University of Medical Sciences/Biotechnology Research Center/Department of Pathology, School of Medicine, Shiraz, Iran.

Recent Progress in Prompt Molecular Detection of Exosomes Using CRISPR-Cas and Microfluidic-Assisted Approaches Toward Smart Cancer Diagnosis and Analysis

Abstract: Exosomes are essential indicators of molecular mechanisms involved in interacting with cancer cells and the tumor environment. As nanostructures based on lipids and nucleic acids, exosomes provide a communication pathway for information transfer by transporting biomolecules from the target cell to other cells. Importantly, these extracellular vesicles are released into the bloodstream by the most invasive cells, i. e., cancer cells; in this way, they could be considered a promising specific biomarker for cancer diagnosis. In this matter, CRISPR-Cas systems and microfluidic approaches could be considered practical tools for cancer diagnosis and understanding cancer biology. CRISPR-Cas systems, as a genome editing approach, provide a way to inactivate or even remove a target gene from the cell without affecting intracellular mechanisms. These practical systems provide vital information about the factors involved in cancer development that could lead to more effective cancer treatment. Meanwhile, microfluidic approaches can also significantly benefit cancer research due to their proper sensitivity, high throughput, low material consumption, low cost, and advanced spatial and temporal control. Thereby, employing CRISPR-Cas- and microfluidics-based approaches toward exosome monitoring could be considered a valuable source of information for cancer therapy and diagnosis. This review assesses the recent progress in these promising diagnosis approaches toward accurate cancer therapy and in-depth study of cancer cell behavior.

Keywords: Exosomes, CRISPR-Cas systems, Cancer Diagnosis, DNA

Biography:

I am an associate professor specializing in Molecular Pathology & Cytogenetics at Shiraz University of Medical Sciences. My research interests include molecular pathology, cytogenetics, biosensors for laboratory diagnosis, clinical microbiology, cell injury (oxidative stress), and gastrointestinal pathology. As of 2005, my H-index and i10-index are 27 and 68, and I have authored 147 articles with 2302 citations. My other professional experience includes serving as the Head of Zeinabieh Hospital of Shiraz from 2017 to 2019, Head of Faculty Management at Shiraz University of Medical Sciences since 2019.

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RASHA ALHAJ

Adam Brentnall¹, Fatima Regrag², Nahaa Alsubaie¹, Repe P C Singh¹, Naseem Dhooma², Jennifer Hu², Tamara Suaris², Jack Cuzick¹

1. Wolfson Institute of Population Health, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, Charterhouse Square, London, EC1M 6BQ

2. Breast Unit, West wing, St Bartholomew's Hospital, London, EC1A 7BE

Enhancing Breast Screening Programs through Breast Risk Stratification

Abstract: Breast cancer is the most common cancer among women worldwide, with over half a million women die every year due to breast cancer. Death from breast cancer can be prevented if it is detected in the early stages. One of the major ways to detect cancer early is through breast cancer screening. There is increasing interest in routinely undertaking a risk assessment for breast cancer, which helps guide the development of new and potentially better screening and prevention strategies, particularly for women at a high risk of breast cancer. Breast risk assessment tools, such as the Tyrer-Cuzick model, are used to estimate a woman's risk of developing breast cancer.

The Breast Risk Study is a cross-sectional, multi-ethnic study conducted at the Breast Screening Centre, St Bartholomew's Hospital, London, UK. It comprises three phases. The third phase was carried out using the electronic database of patient medical records from 1200 women aged between 40 - 70 years who attended the Symptomatic Breast Clinic.

Application of the TC model (V8) resulted in 6.4% high-risk and 11.1% moderate-risk TC8 scores among the study population. However, neither the women nor the health professionals know about the women's risk because no breast cancer risk assessment is done in the Symptomatic Breast Clinic.

Identifying women at high risk - either those with or without a strong family history - of developing breast cancer is crucial. Specifically, recognizing women attending symptomatic clinics who are unaware of their risk status is imperative for them to access preventive measures such as annual screening and mitigate their risk of the disease.

Keywords: Breast Cancer, Breast Screening, Risk Assessment.

Biography:

Rasha Alhaj is an inventor renowned for her groundbreaking discovery of a substance in honey that inhibits the growth of breast cancer cells. Additionally, she is the founder of The Amal Initiative, a project dedicated to bringing healing and hope to cancer patients worldwide. In 2015, Rasha was honored with the Afrabia Afro-Arab Youth Award for her remarkable contributions to research and humanitarian efforts

INTERNATIONAL CONFERENCE ON CANCER SCIENCE AND RADIOLOGY

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LUDMILA ZARSKA

Eoin Moynihan², Arianna Rossi^{3,4}, Giada Bassi^{3,5}, Pavlína Balatková⁶, Elisabetta Campodoni³, Maria Gaiana Cameo², Monica Montesi³, Diego Montagner^{2#}, Vaclav Ranc^{1,6}, Silvia Panseri³



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4. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Studies of Messina (ME), Italy
5. Department of Neuroscience, Imaging and Clinical Sciences, University of Studies G. d'Annunzio, Chieti-Pescara (CH), Italy
6. Institute of Molecular and Translation Medicine, Faculty of Medicine and Dentistry, Palacký University in Olomouc, Hnevotinska 5, CZ-779 00 Olomouc, Czech Republic.

Dual Agent Delivery in Oncology Treatment Using Graphene Oxide-Based Nanoplatfoms

Abstract: Many types of cancer are nowadays treated using various chemotherapeutics. However, unfortunately, the application of such is considerably limited by their severe side effects. One of the new exciting strategies to overcome the limitations is in the development of drug delivery systems able to amplify cellular accumulation of the drugs in cancerous cells and minimize their toxicity in normal cells. Moreover, the current development of nanocarriers enables the use of multiple drugs anchored on one platform and thus also enhances the initiated therapeutic effect and minimizes the possibility of drug resistance. Here, we developed a graphene-oxide-based 2D nanoplatfom functionalized using highly branched polyethylene-glycol and a multimodal set of two drugs with various mechanisms of action, namely Pt-based complex and doxorubicin. We performed in vitro 2D screening on two cell lines, namely glioblastoma, and osteosarcoma, which were selected as models of two aggressive tumors that remain challenging in oncology. The therapeutic effect of the developed nano-platfom is higher at lower concentrations (15 μ M Pt) compared to the effect of free drugs. Nonetheless, the effect on cells is comparable to free drugs when concentrations of drugs are increased. This indicates a possible positive effect of the transport of drugs using the nanoplatfom. Results obtained on 3D cell models using MG63 osteosarcoma cells uncovered an understandable lowered diffusion profile of the developed nanoplatfoms, compared to the application of free drugs.

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April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



MARYAM SHEIKH

Sheffield university, UK

Mucous Membrane Pemphigoid

Abstract: Pemphigoid is an example of an autoimmune bullous disease which is antibody mediated. Autoantibodies are directed against components of the hemidesmosomes which are structures gluing the epithelial cells to the basement membrane. The targeted part of hemidesmosome varies between different types of pemphigoid. A subepithelial bullae forms causing full thickness separation of the epithelium and connective tissue. On rupturing, exposes connective tissue produces a healing response by secondary intention where the epithelial migrates from edges and over the wound. There are different types of subepithelial autoimmune bullous diseases which include: Bullous pemphigoid (BP) which is the most common where autoantibodies directed against the BP180 (BPAG1) and BP230 (BPAG2) antigens in hemidesmosomes, mucous membrane pemphigoid (MMP) which is a chronic disease of the elderly where autoantibodies directed against BP230, laminin and $\alpha 6\beta 4$ in hemidesmosomes and dermatitis herpetiformis (DH) which is associated with Coeliac disease. Each type has key characteristics and the diagnosis of each relies on the integration of clinical, histological, immunopathological, and serological findings. Systemic or topical steroids are the mainstay of treatment but sulphonamides or dapsone (antimicrobial agents) may be an effective alternative to systemic steroids.

Keywords: Autoimmune bullous diseases; Bullous pemphigoid; Mucous membrane pemphigoid; Dermatitis herpetiformis; Diagnosis; Management

Biography:

Maryam graduated from Sheffield obtaining her BDS degree from the Faculty of Dentistry. Prior to this Maryam obtained a Bachelors in Engineering specialising in the field of Dental Materials. Maryam takes pride in building professional relationships with her patients and making them feel at ease. She is particularly good at treating nervous patients and adapting her skill set to suit the patients needs. Outside of work Maryam loves travelling and spending time with friends and family.

INTERNATIONAL CONFERENCE ON CANCER SCIENCE AND RADIOLOGY

April 18-19, 2024 | (Hotel Crowne Plaza Dubai - Deira)



IANEVSKI ALEKSANDR

University of Helsinki, Finland

Development of Advanced Mathematical and Machine Learning Methods for Personalized Cancer Therapy

Abstract: The advent of personalized medicine has revolutionized cancer care, enabling clinicians to design treatment options based on the unique molecular signatures of a patient's tumor. This approach maximizes treatment efficacy while minimizing toxicity, significantly improving treatment success rates and patient outcomes. However, the complexity of tumor biology and the multitude of potential treatment options complicate identification of optimal therapeutic strategies for each patient; necessitating the development of analytical and predictive methods to guide informed treatment decisions. To facilitate the identification of personalized treatments, I developed a set of mathematical methods and Machine Learning (ML) tools designed to provide critical insights into drug interactions, cellular heterogeneity, therapeutic response prediction, and resistance mechanisms: (1) SynergyFinder is a web-application to analyze complex drug combination interaction dynamics, enabling the rational design of highly effective drug combinations; (2) DECREASE is an ML-based tool to predict drug combination effects, accelerating pre-clinical testing and optimizing experimental design; (3) scType web-application provides fully-automated analysis of cellular heterogeneity at a single-cell level (scRNA-seq), while (4) scTherapy uses machine learning to identify patient-tailored therapies for selective co-inhibition of cancer clones based on patients' single-cell transcriptomes. These computational tools, among many others, collectively enhance our ability to identify efficacious, targeted, and safer personalized treatment modalities, accelerating translation of precision oncology into routine clinical practice and ultimately improving patient outcomes.

Keywords: personalized medicine, drug combination, machine learning, single-cell transcriptomics

Biography:

I obtained M.Sc. in Bioinformatics at Aalto University, Finland. Co-author of 59 publications, including 25 first-author papers, resulting in >3400 citations. My H-index is 26. My main focus of research includes development of integrated computational-experimental approaches to tackle biomedical questions in anticancer and antiviral research

INTERNATIONAL CONFERENCE ON CANCER SCIENCE AND RADIOLOGY

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PROF. SAEED AMAL

PhD, Northeastern University, USA

Artificial Intelligence Tool for Cancer Diagnosis and Efficacy Gauging

Simple Summary: Prostate cancer is a significant cause of male cancer-related deaths in the US. Checking how severe the cancer is helps in planning treatment. Modern AI methods are good at grading cancer, but they are not used much in hospitals yet. We developed a new online tool that combines human expertise and smart AI predictions to grade prostate cancer. Experienced doctors helped us improve the tool by answering questions in a survey and a test called the NASA TLX Usability Test. This helped ensure that the tool meets the needs of intended medical users and proves a valuable addition in clinics. The feedback obtained was positive for three themes that included acceptability, ease of use, and understanding with suggested application feature improvements as feedback for real world hospital use. The task completion process was not very demanding overall. The web application has potential to serve well upon minor improvements based on feedback.

Abstract: Prostate cancer remains a significant cause of male cancer mortality in the United States, with an estimated 288,300 new cases in 2023. Accurate grading of prostate cancer is crucial for ascertaining disease severity and shaping treatment strategies. Modern deep learning techniques show promise in grading biopsies, but there is a gap in integrating these advances into clinical practice. Our web platform tackles this challenge by integrating human expertise with AI-driven grading, incorporating diverse data sources. We gathered feedback from four pathologists and one medical practitioner to assess usability and real-world alignment through a survey and the NASA TLX Usability Test. Notably, 60% of users found it easy to navigate, rating it 5.5 out of 7 for ease of understanding. Users appreciated self-explanatory information in popup tabs. For ease of use, all users favored the detailed summary tab, rating it 6.5 out of 7. While 80% felt patient demographics beyond age were unnecessary, high-resolution biopsy images were deemed vital. Acceptability was high, with all users willing to adopt the app, and some believed it could reduce workload. The NASA TLX Usability Test indicated a low-moderate perceived workload, suggesting room for improved explanations and data visualization.

Biography:

Prof. Saeed Amal is an Assistant Research Professor at Northeastern University. Amal was a Postdoctoral Fellow at the Stanford University School of Medicine where he focused on the applications of artificial intelligence to improve healthcare, specifically care for cardiovascular disease. He received his PhD and MSc degree in Computer Science from the University of Haifa and a BSc degree in Computer Science from Technion. Amal has vast leadership experience in applied research from the tech industry and is a former VP of an R&D data medical startup in the field of cardiology. His research interests are the healthcare applications for artificial intelligence, including deep learning and machine learning, natural language processing (NLP), image processing, and recommender systems. Amal initiated and lead the research topic at Frontiers in Radiology - Artificial Intelligence and Multimodal Medical Imaging Data Fusion for Improving Cardiovascular Disease Care

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