

TABLE OF CONTENTS

Day 1 Online(11 November 2021)

Auto Immune Disease	4	Neonatology	8
Biology	4	Neurology & Neuroscience	8
Biomakers	4	Nursing	8
Advancements in Cardiology	4	Nutrition	9
Cell Biology	4	Obstetrics & Gynecology	9
Covid-19	4	Oncology	9
Dentistry	5	Opthalmology	10
Dermatology	5	Osteology	10
Advancing Knowledge in Diabetes	5	Oxidative Stress	10
Emergency Medicine	5	Pediatrics	11
Endocrinology	5	Toxicology & Pharmacology	11
Epidemiology & Public Health	5	Physiology	12
Exploring Genetics and Genomisc	5	Public Health	12
Future of Pharmacology	5	Pulmonology	12
This year's spotlight: Global Public Health	6	Pulmonology Update	12
Gynecology	6	Radiology	12
Healthcare Management	6	Rehabilitation	12
Hepatology	6	Spinal Surgery	13
Immunology	7	Surgery	13
Infectious Diseases	7	Trends in oncology	13
Internal Medicine	7	Urology	13
Lymphoma	7		
Medical Education	7		
Mental Health	8		
Molecular Biology	8		

Day 2 Vienna, Austria (12 November 2021)

Track 1		Track 2	
Exploring Genetics & Genomics	15	Next Generation Immunology	15
Radiology	15	Mental Health & Psychology	15
Physiology	16	Stem Cells and Internal Medicine	16
Dermatology	16	Nursing & Healthcare Management	16
Oncology	16	Biology & BioEngeneering	17
Osteology	19	Pharmacology & Toxicology	17
Advancing Knowledge in Diabetes	19	Nutrition & Food Science	19
Gastroentology	19	Infectious Diseases	20
Pathology	19	Hepatology	20
Pediatrics	19		

TABLE OF CONTENTS

Day 3 Vienna, Austria(13 November 2021)

Track 1		Track 2	
Advancements in Cardiology	22	Advancements in Surgery	22
Opthalmology	23	Orthopedics	24
Neurology & Neuroscience	24	Hematology	24
Oxidative Stress	26	Urology	24
		Pulmonology	24
		Endocrinology	25
		This year's spotlight: Global Public Health & Covid-19	25
		Dentistry	26
		Medical Education	26

DAY 1 Q&A SESSION SCHEDULE

TIME (CET /UTC+01:00)	SESSION
09:00 – 09:30	Exploring Genetics & Genomics
09:30 - 09:45	Epidemiology & Public Health
09:45 – 10:05	Pediatrics
10:05 – 10:15	Diabetes
10:15 –10:25	Neonatology
10:25 – 10:40	The Future of Pulmonology
10:40 – 11:20	Trends in Oncology
11:20 – 11:35	Advancements in Cardiology
11:35 – 12:00	Neurology & Neuroscience
12:00 – 12:15	COVID 19
12:15 – 12:25	Nutrition & FoodScience
12:25 – 12:35	Nursing & Healthcare Management
12:35 – 12:40	Stem Cells
12:40 – 12:50	Dermatology
12:50 – 12:55	The Future of Psychology
12:55 – 13:00	Osteology
13:00 – 13:05	Advancements in Physiology
13:05 – 13:35	Pharmacology & Toxicology
13:35 – 13:45	Hepatology
13:45 – 13:55	Biology & Biomedical Engineering
13:55 – 14:00	Nephrology
14:00 – 14:05	Pathology
14:05 – 14:10	Epilepsy
14:10 – 14:25	Infectious Diseases
14:25 – 14:40	Obstetrics and Gynecology
14:40 – 14:50	Auto Immune Diseases
14:50 – 15:15	Oxidative Stress
15:15 – 15:30	Medical Education
15:30 – 15:40	Mental Health
15:40 – 15:50	Emergency Medicine
15:50 – 16:00	Dentistry
16:00 – 16:10	Biomarkers
16:10 – 16:25	Internal Medicine
16:25 – 16:50	Surgery
16:50 – 17:10	Immunology
17:10 – 17:30	Radiology
17:30 – 17:35	Gastroenterology
17:35 – 17:45	Urology
17:45 – 17:55	Endocrinology
17:55 – 18:05	Rehabilitation
18:05 - 18:15	Rheumatology



DAY 1 - ONLINE (11 NOVEMBER 2021)

SPEAKER

PRESENTATION

Auto Immune Disease

Ronald Fritz

Oat safety for celiac disease patients: theoretical analysis correlates

adverse symptoms in clinical studies to contaminated study oats

Biology

Stephan Scheidegger How Dynamic Models in Silico can Boost Systems Medicine

Mitch Schiewe Emphasis on how Quality Assurance is a critical part of

Reproductive Technologies

Biomakers

John YuenBiomarkers program for evaluating alternative & complementary

interventions

Amosy M'Koma Colonic ileal metaplasia and DEFA5 expansion circumvent

indeterminate colitis into authentic diagnosis of Crohn's colitis and

ulcerative colitis

Guoan Luo Establishment and application of integrated biomarker system for

precise diagnosis and treatment of polycystic ovary syndrome

Advancements in Cardiology

Aiswarya Gopi Discriminating electrocardiographic responses to His-bundle pacing

using machine learning

Leon PtaszekCardiac Pacing Therapy in Developing Countries

Wen-ling Yang Natriuretic peptides and its variation for heart failure in patients

undergoing hemodialysis

Lisandra de Castro Bras Collagen Peptide Improves Cardiac Function post-MI by Promoting

Scar Fiber Alignment

Kerryn RedingPredictors of progression to heart failure after breast cancer

Chris Jones Platelet activation dynamics determine thrombus size and structure at

arterial but not venous shear

Etsuko Tsuda Improvement of the outcome in child patients with dilated

cardiomyopathy

Sophie GarnierGenome wide association analysis in dilated cardiomyopathy reveals

two new key players in systolic heart failure on chromosomes 3p25.1

and 22q11.23

Naqash Sethi Clarithromycin for stable coronary heart disease increases all-cause and

cardiovascular mortality and cerebrovascular morbidity over 10Ã, years

in the CLARICOR randomised

Cell Biology

Viktor Chizhikov Effect of preterm birth and intrauterine growth restriction on brain

development.

Covid-19

Gerard Mullin The Role of Nutrition for COVID-19

Anusha Rohit Fate of respiratory droplets in tropical vs temperate environments and

implications for SARS-CoV-2 transmission

Esra Ates Bulut Special Considerations of Older Adults during the Pandemic

Katherine Barnett Addressing and healing clinician trauma in the face of an ongoing

pandemic

Xabier Michelena Vegas COVID-19 in rheumatic diseases.

SPEAKER

PRESENTATION

Dentistry

Association of oral infections with atherosclerotic disease **Yiorgos Bobetsis**

Dolph Dawson What is New in Dental Tissue Engineering

Jayapriya Jayakumar The role of charting dental anomalies in human identification

What is New in Dental Tissue Engineering **Dolphus Dawson**

Judith A. Jones Integrated Medical-Dental Systems-US

Dermatology

Tasleem Arif Clinical, Endoscopic, Manometric and Esophageal PH study in patients

of Systemic Sclerosis and Morphea

Graham Machin Challenges in non-contact body temparature measurement in public

health

Makiko Goto Real-time imaging of human epidermal calcium dynamics in response

to point laser stimulation

Travis Whitfill Controlling the Growth of the Skin Commensal Staphylococcus

epidermidis Using d-Alanine Auxotrophy

Tulika Yaday Dermoscopic Sign of Distal Lateral Subungual Onychomycosis

Marta C. Garcia Bustinduv Afectaci $\tilde{A}f\hat{A}^3$ n psicosocial en el paciente con hidradenitis supurativa

Diabetes

Potential Roles of Placental Mitophagy in the Development of Haijun Gao

Gestational Diabetes Mellitus

Barbara Boucher Diabetes and "Vitamin D"

Role of Complement in the Complications of Diabetes and of Glycated Jose Halperin

CD59 as a Novel Diabetes Biomarker

Bader ALTULAIHI Impact of Patient-Centered and Self-Care Education on Diabetes

Control; the need for individualized care approach

Emergency Medicine

Effective approaches to control non-actionable alarms and alarm fatigue **Bradford Winters**

Endocrinology

Early vertebroplasty within 3 weeks of fracture for acute painful vertebral **Terrence Diamond**

osteoporotic fractures

Comparison of vascular differentiation in normal and tumorous tissues Roni Aloni

of plants and human beings

Efrat Barel Interactive role of endocrine stress systems and reproductive

hormones in the effects of stress on declarative memory

Epidemiology & Public Health

Elsy Nalleli LorÃa Cervera Preliminary epidemiological findings of Leishmania infection in the

municipality of Tinum

Future of Pharmacology

Inhibiting horizontal gene transfer of antibiotic resistance from multi-Kumar Venkitanarayanan drug resistant Salmonella to commensal E. coli using phytochemicals

Exploring Genetics and Genomics

ALS-linked mutations in FUS affect U7 snRNA/snRNP localization and Dorota Raczynska replication-dependent histone gene expression in human cells

SPEAKER

PRESENTATION

Naoko Takezaki Resolving the Phylogenetic Position of Coelacanth: The Closest Relative

Is Not Always the Most Appropriate Outgroup

Maria Bettinotti Characterization of 108 Genomic DNA Reference Materials for 11

Human Leukocyte Antigen Loci: A GeT-RM Collaborative Project

Maha Abdelgaber Abdellah Aly Comprehensive molecular analysis of 61 Egyptian families with

hereditary nonsyndromic hearing loss

Jun Dai What does a prospective twin study tell us about DNA

hydroxymethylation and cardiovascular death?

Boris ChadovOntogenes and the Genetics of Intraspecific Similarity

Suzanne Abraham Rett Syndrome/MECP2 mutations

A"scar Iborra MartAnezJumping to conclusion bias in schizophrenia

Gabriel Kaufmann Distinct anticodon nucleases cohabitating their bacterial host differ in

target and sensitivity to a counteracting phage antidote

Donald Evenson The Sperm Chromatin Structure Assay (SCSA(\tilde{A} , \hat{A} \hat{B})) and other sperm

DNA fragmentation tests for evaluation of sperm nuclear DNA integrity

as related to fertility

Wansheng Liu Mammalian sex chr-linked cancer/testis antigens (CTAs) and male fertility

Yuri Sergeev Global computational mutagenesis of protein structures associated

with inherited eye disease

Lina A EvgeniConventional semen parameters and DNA fragmentation in relation to

fertility status in a Greek population

Guang ZhuG-quadruplex structures formed by human telomeric DNA and C9orf72

hexanucleotide repeats

Liana PlissThe link between mitochondrial DNA hypervariable segment I

heteroplasmy and ageing among genetically unrelated Latvians

Alexei Fedorov Complexity of the human genome confronts individualized medicine

Zariwala Maimoona A Evolution and Current Status of Genetics of Primary Ciliary Dyskinesia

(PCD)

Global Public Health

Greg Ball The Spirit of the FDA IND Safety Reporting Final Rule

Gynecology

Elizabeth J. Geller PACT Sexual Function

Healthcare Management

Norman Archer Online Support for Health Self-Management

Sabrina Grimaldi A holistic framework to blood supply chain risk management

Hepatology

Yuexian ShiDevelopment and Evaluation of Psychometric Properties of a Common

Module for the Quality of Life Scale of Living Organ Donors

(QLSLOD-CM V1.0) as Based on Liver donors

Ken-ichi AiharaClinical significance of dehydroepiandrosterone sulfate in carotid

atherosclerosis and nonalcoholic fatty liver disease

He LiPredicting dynamics and rheology of blood flow: A comparative study

of multiscale and low-dimensional models of red blood cells

SPEAKER

PRESENTATION

Thomas Fuerst

Rational design of a hepatitis C virus vaccine

Jenan Awesat

Dabigatran induced acute kindney injury

Immunology

Libia Vega The anacardic 6-pentadecyl salicylic acid induces apoptosis in breast

cancer tumor cells, immunomodulation in the host, and decreases

blood toxic effects of classical antineoplastic agents

Yasuhiro Suzuki Insights from analyzing the mechanisms of the protective immunity

against an obligate intracellular protozoan parasite

Samuel Constant 3D Human airway epithelial models to study SARS-CoV-2 pathogenesis

Kenneth RosenthalTreatment of inflammatory disorders by antigen-specific modulation of

the T cells driving disease with LEAPS vaccines."

Shota Takagi Well-balanced immune response and protective efficacy induced by

a single dose of live attenuated tetravalent dengue vaccine (KD-382)

in monkeys

Day-Yu Chao Immunology and "Nonstructural protein 1-specific immunoglobulin M

and G antibody capture enzyme-linked immunosorbent assays in

diagnosis of flaviviral infections in humans

Gabriela Hrckova

The utilisation of human dialyzable leukocyte extract (IMMODIN) as adjuvant in albendazole therapy on mouse model of larval cestode

infection: Immunomodulatory and hepatoprotective effects

Infectious Diseases

Bo ChenMechanism of the polymorphism and curvature control of the HIV capsid protein assemblies probed by a novel coarse grain model

Cristina Corsini Campioli Bacterial Brain Abscess: An Outline for Diagnosis and Management

Diana Hennessey Subcutaneous ivermectin for the treatment of the hyperinfection

syndrome by Strongyloides stercoralis

Internal Medicine

Susan Bridges Mediated interpreting in clinical care in Hong Kong: Implications for

interprofessional teams in multilingual contexts

John Tayek

The durability of oral diabetic medications: Time to A1c baseline and

a review of common oral medications used by the primary care

provider: Oral and Injectable Medications

Mary Taub Renal cell carcinoma

Lymphoma

Tingfa Peng Establishing an endoscopic diagnostic process system (M-system) for

gastric MALT lymphoma of superficial-spreading type

Medical Education

Donna WindishSearching for the right evidence: how to answer your clinical questions

using the 6S hierarchy

Marina Calleja-Reina Clinical reasoning training with virtual clinica cases for health science

students

Lea Brandt Project ECHO: Transforming the Ethical Behavior of Clinicians through

Sensemaking

Ecler Jaqua Optimize your Documentation to Improve Medicare Reimbursement

SPFAKER

Lisa Björk

Ahmed M. Al-Jumaily

Eleni Kapsia

Sahir Kalim

PRESENTATION

Mental Health

Mary Chambers Evaluation of an educational practice development programme for

staff working in mental health inpatient environments

Rebekka Dieterich-HartwellDance/movement therapy in the treatment of posttraumatic stress

Involving the employer to enhance return to work among patients with stress-related mental disorders - report from a trial in Swedish primary

health care

Molecular Biology

Gloria Rodriguez

The Capacity of Mycobacterium tuberculosis To Survive Iron Starvation

Might Enable It To Persist in Iron-Deprived Microenvironments of

Human Granulomas

Neonatology

Mats Fagerquist Determining the Uncertainty of Fetal Urine Production Rate Estimations

Pressure oscillation delivery to the lung: Computer simulation of

neonatal breathing parameters

Renal Ageing

Stathis Tsiakas The Importance of Novel Inflammatory Biomarkers in Renal Disease

Protein Carbamylation in Chronic Kidney Disease and Dialysis

Neurology

Kazuhito Toyooka Cellular and molecular dissection of neuromorphological deficits

underlying ADNP syndrome and autism spectrum disorder

Douglas Andres IGF-1 Driven Regenerative Neurogenesis Requires a Novel RIT1

GTPase-SOX2 Cascade

Alan Weiss "Sux away, Chocks away, Cross Check and Arm: Innovations from a

modern ECT service"

Martin Reznek Door-to-Imaging Time for Acute Stroke Patients Is Adversely Affected

by Emergency Department Crowding

Christopher Pittenger Antibodies From Children With PANDAS Bind Specifically to Striatal

Cholinergic Interneurons and Alter Their Activity

Neurology & Neuroscience

Ali Hussain A new concept for addressing neurodegenerative diseases: Saponins

and macular degeneration.

Jackie Reznik Heidi

Diane ChanManipulating Gamma Frequency Neural Oscillations Using Sensory

Stimulation to Treat Alzheimer's Disease: Results of a Pilot Clinical Trial

Stefano Rozzi The macaque lateral grasping network: A neural substrate for

generating purposeful hand actions

Elvire Vaucher Cholinergic potentiation of the vision, from rodents to humans

Michael Pellegrini Using non-invasive brain stimulation technologies to influence brain

excitability: Reliability, response variability and current challenges

Nursing

Barbara Voshall Knowledge and Attitudes about Pain Management Among Nursing

Faculty

Susan Reinhard Nurse Delegation in Home Care

SPFAKER

PRESENTATION

Jenna Smith-Turchyn

Bridging the gap: incorporating exercise evidence into clinical practice

in breast cancer care

Alexander Sturzu The lily-of-the-valley olfactory receptor - A new prostate-cancer-specific

biomarker

Opthalmology

Flechl BirgitMeningioma Who I With Involvement of the Optical Structures- Does

Proton Therapy Lead to Changes in Subjective Visual Performance?

Osteology

Salvador Garcia-Lopez Micro-vibrations at 30 Hz on bone cells cultivated in vitro produce

soluble factors for osteoclast inhibition and osteoblast activity

Shelley Khullar Godtfredsen Osteonecrosis Observations and Opportunities

Timothy KwokCirculating amino acids are associated with bone mineral density

decline and ten-year major osteoporotic fracture risk in older

community-dwelling adults

Oxidative Stress

Shaogang QuThe mechanism of the degeneration of dopaminergic neurons

induced by fenpropathrin

Inga Bikulciene Relationship Between Composition of Fatty Acid in Platelet Phospholipid

Membrane and Markers of Oxidative Stress in Healthy Men and

Men After a Myocardial Infarction

Raynoo Thanan Oxidative stress induces the progression of cholangiocarcinoma by

decreasing EBF1 and increasing ZNF423 expressions

Chrishan Samuel Simultaneous targeting of oxidative stress and fibrosis as an effective

strategy for treating cardiomyopathy-induced ventricular remodelling

and dysfunction

Punit Saraswat Air pollution - an emerging threat to human health

Miyuki Nagai Preconditioning with Short-Term Dietary Restriction Attenuates Cardiac

Oxidative Stress and Hypertrophy Induced by Chronic Pressure Overload

Marta Greco Effects of acute physical exercise on oxidative stress and inflammatory

status in young, sedentary obese subjects

Gema Barrientos Vicho Oxidative Stress and Trace Minerals in Athleteseidi

Maria Giulia Lionetto Oxidative Potential, Cytotoxicity, and Intracellular Oxidative Stress

Generating Capacity of PM10: A Case Study in South of Italy

Delia TurcovResveratrol in the prevention and treatment of oxidative stress

Tonia RexRetinal oxidative stress activates the NRF2/ARE pathway: An early

endogenous protective response to ocular hypertension

Fabrice Bertile Limited Oxidative Stress Favors Resistance to Skeletal Muscle Atrophy

in Hibernating Brown Bears (Ursus Arctos)

Chenxu Yu Fucoxanthin@Polyvinylpyrrolidone Nanoparticles Promoted Oxidative

Stress-Induced Cell Death in Caco-2 Human Colon Cancer Cells

Sankarathi Balaiya Mehanathan Role of sirtuins in Retinal Diseases

Feregrino AnggeTimbe (Acaciella angustissima) Pods Extracts Reduce the Levels of Glucose, Insulin and Improved Physiological Parameters, Hypolipidemic

Effect, Oxidative Stress and Renal Damage in Streptozotocin-Induced

Diabetic Rats

Jumana SalehSystemic Oxidative Stress Is Increased in Postmenopausal Women and

Independently Associates with Homocysteine Levels

SPEAKER

PRESENTATION

Pediatrics

Howard MielkeLead exposure and its effect on children's health

Christopher Thurber Youth Development Outcomes of the Camp Experience: Evidence for

Multidimensional Growth

Howard MielkeLead exposure and its effect on children's health

Panagiota Klentrou Training Healthy Children and Adolescent Athletes

Bernardo EbrÃ Ebrà method for the calculation of bone age and prediction of adult

height

Mary Khetani Leveraging patient-reported outcome data on caregiver strategy use

for pediatric re/habilitation service design

Maphefo Thekiso Caries status among children in the West Rand District of Gauteng

Province, South Africa

Sergio Rendich SillardWhat is the role of Pediatricians regarding Child Passenger Safety

Giannis Moustafa Paediatric ocular adnexal lymphoma: a population-based analysis

Pharmacology & Toxicology

Stephen Magura Surveillance by oral fluid of drugs subject to misuse among individuals

under arrest

Wim Martinet Autophagy in atherosclerosis: a potential drug target for plaque

stabilization

Lisa Mican Inpatient Psychiatric Pharmacist Consultation Services

Sidney Schnoll Drug scheduling: the good, the bad and the ugly.

Shin Aoki

Design, Synthesis, and Biological Property of Boron Compounds Having

Sugar and Macrocyclic Polyamine Scaffolds for Boron Neutron

Capture Therapy (BNCT)

Thomas Gutheil Ethical aspects of psychopharmcology

Simon Tweddell Engaging Students through Team-Based Learning: the Pharmacy

Experience

Laney Jones Using Implementation Science to Improve Hypercholesterolemia Care

Anuradha Roy Early Probe and Drug Discovery in Academia

Kwun Nok Mimi Man GPCR regulation of L-type voltage-gated calcium channels in neurons

Tejinder Singh Swaran SinghResponsible Opioid Prescribing

Benedito PrezotoHepatocyte growth factor/c-met axis: From Basic Studies to Human

Treatment

Myung Hee Chung 8-Oxo-2'-deoxyguanosine ameliorates UVB-induced skin damage

in hairless mice by scavenging reactive oxygen species and inhibiting

MMP expression

John Randolph Discovery of 2-aminoisobutyric acid ethyl ester (AIBEE) phosphoramidate

prodrugs for delivering nucleoside HCV NS5B polymerase inhibitors

Alejandra Quijano Mateos Revisiting a physiologically based pharmacokinetic model for cocaine

with a forensic scope

Steven Kim Battling with Statistical Assumptions in Hormesis Studies

Bianca Baroli Skin penetration: fiction or reality? an update.

Haiyan Xu Toxicological Risk Assessment of di (2-ethylhexyl) adipate (DEHA)

in Medical Products

SPFAKER

PRESENTATION

Physiology

Olfactory stimulatory with grapefruit and lavender oils change Katsuya Nagai

autonomic nerve activity and physiological function

Marta Kankofer Extracellular matrix remodeling in bovine placental tissues

Yasmin 7akiniaeiz Menstrual cycle phase at quit date and smoking abstinence at 6

weeks in an open label trial of bupropion

V. K. Kumar Induction in Hypnosis: Controversies, Effectiveness, and Optimization

Psychosocial risks and the new Clinical Management Areas

Public Health

Adele Houghton Leveraging COVID-19 Building Upgrades to Address Synergistic

Environmental Health and Equity Priorities

Kerstin Roger Social aspects of HIV/AIDS and aging: a thematic review

Tobacco Use Among U.S. College Students During the COVID-19

Pandemic: Disparities by Race/Ethnicity

Understanding the use of geographical information systems (GIS)

in health informatics research: A review

Pulmonology

Remodeling of the Pulmonary Vasculature in the Genesis of Chronic **Kent Pinkerton**

Obstructive Pulmonary Disease

Eleonore Fröhlich Delivery of Dry Powders to the Lungs: Influence of Particle Attributes

from a Biological and Technological Point of View

Anna May Predictors of peri-bronchoscopy complications

Improvement of Obstructive Sleep Apnea (OSA) therapy with

Pressure Oscillation

Ankita Agarwal Ethical and regulatory challenges in advancing prehospital

research: focus on sepsis

Phase II study of erlotinib plus gemcitabine in first-line treatment of Alexandru Calin Grigorescu

poor prognosis advanced non-small cell lung cancer patients -

in the context of actual using of TKIs for NSCLC

Pulmonology Update

Update on pulmonary vascular complications of sickle cell disease

Radiology

Validation of Abeta cascade hypothesis with multimodal **Wellington Pham**

molecular imaging

The Impact of Fatigue on Radiographic Case Interpretation Elizabeth Krupinski

Uncommon obstetric and gynecologic emergencies associated with

pregnancy: ultrasound diagnosis

Radiographic assessment of findings in the maxillary sinus using

cone-beam computed tomography

Early in vivo discrimination of vulnerable atherosclerotic plaques that James Hamilton

disrupt: A serial MRI study

Noninvasive, noncontact, camera-based, diffuse speckle imaging of Lei Chen

cerebral hemodynamics and connectome.

Rehabilitation

Ocular Rehabilitation: In-Person and Clinical Video Telehealth

The Closed Kinetic Chain: Improving Outcomes in Isolated Joint

Rehab for Post Surgical and Out-Patient Care

Carlos Morales

Julia N. Soulakova

AHMED AL-JUMAILY

Elizabeth Klings

Ashraf Talaat Youssef

Nicola Shaw

Joseph Daher

Carolyn Ihrig

Ilze Dobele

SPFAKER

PRESENTATION

Spinal Surgery

Salah Rubayi The Role of the plastic Surgeon in Spinal Surgery complications

Surgery

John Jarrell The Predicition of Postoperative Pain Following Gynecological

Laparoscopy for Non-Acute Pain

Angelo Lipira Targeted Muscle Reinnervation

Antonio Arenella Endolaparoscopic treatment of cholecysto-choledochal lithiasis.

Personal experience.

Dan EllisBuilding a surgical Home Hospital: applying lessons from ERAS

Giampietro Bertasi Use of a novel acellular dermal matrix allograft to treat complex

trauma wound

Roberta M. Lassance-Soares Ischemic-trained monocytes improve arteriogenesis in a mouse

model of hindlimb ischemia

Russell Andrews Surgery $\tilde{A}f\mathcal{E}'\tilde{A}$, $\hat{A}s$ Day in Court $\tilde{A}f\mathcal{E}'\tilde{A}$, \hat{A}^s the Time Has Come

Paula Maria Caldinhas Effects of health professionals free-circulation and professional

development in EU countries

Trends in oncology

Juliet Jacobsen Misunderstandings about prognosis: An approach for the patient

who does not seem to understand what was said

Urology

Mats Fagerquist Determining the Uncertainty of Fetal Urine Production Rate

Estimations

Zhao MeiduoMultiple exposure pathways and urinary chromium in residents

exposed to chromium

SPEAKER

PRESENTATION

Steven E Raper "Taking the Initiative: Risk-Reduction Strategies and Decreased

Malpractice Costs"

Eisuke Hanada Importance of wired / wireless infrastructure in clinical settings - from

building construction to management -

Nutrition

Herb Schellhorn Vitamin C and the potential use of existing and new models systems

to explore the newly-identified (in the last 15 years) role in cancer,

stem cell differentiation

Federica Farabegoli Latest findings on Omic technologies in innovation and industrial

development of functional food and nutraceutics

Nellie Della Schiava Arteriovenous fistula and home parenteral nutrition

Joel Mason Obesity, inflammation and the promotion of colon cancer: underlying

mechanisms and strategies to mitigate the risk

Obstetrics & Gynecology

Fung Cheung ChowSelective transfer of euploid noncarrier embryos for Robertsonian translocation carriers with the help of NGS and linkage analysis

Oncology

Nancy Guo Promising biomarkers for precision oncology to improve non-small

cell lung cancer treatment

Michela Pozzobon Cancer associated fibroblasts are dispensable for rhabdomyosarcoma

growth

Judy-Ann ChapmanCompeting risks of death in post-menopausal early breast cancer

following (extended-)endocrine therapy

Giuseppe Di Bella Prostatic cancers cases being treated with MDB method

Kurt Kletter PET/CT and oncology: story of a success

Patricia Talamas Rohana Ascites fluid and its role as a tumor microenvironment in epithelial

ovarian cancer.

Angelica Loskog Immunostimulatory gene therapy for pancreatic cancer - from

preclinic to clinic

Samia Kanoun Belajouza Glioblastoma in the Center of Tunisia: About 134 cases

Saima Hassan

Better understanding the role of PARP inhibitors in triple-negative

breast cancer

Preston Sprenkle Negative Multiparametric Magnetic Resonance Imaging of the Prostate

Predicts Absence of Clinically Significant Prostate Cancer on 12-Core

Template Prostate Biopsy

Aadel Chaudhuri Liquid Biopsies Using Circulating Tumor DNA in Non-Small Cell Lung

Cancer

Hari Deshpande Update on treatment of soft tissue sarcoma

Shahana Mahajan Riluzole as a potential drug for the treatment of metastatic osteosarcoma

Maria do Carmo Lopes Clinical audits in radiotherapy

Tamara Lah Glioblastoma: Stem Cell Niches, and Repurposed Therapies

Dan Adams

LifeTracDxâ,,¢ Liquid Biopsy - A New Paradigm of Cancer Screening

and Diagnostics

Hsun-Hua LeeHistone 2A Family Member J Drives Mesenchymal Transition and

Temozolomide Resistance in Glioblastoma Multiforme



DAY 2 - VIENNA AUSTRIA (12TH NO VEMBER 2021)

TIME	TITLE	SPEAKER
09:00	Introduction	
09:10	Keynote: The growing epidemic of breast cancer in women of Africa	Max Parkin
09:30	Keynote: The Economics of Novel Diagnostics and Treatments in Heart Failure	John Schneider
09:50	Keynote: A new era of spontaneous pneumothorax	Kiyoshi Nakashima
10:10	Keynote: Machine Learning in Bioinformatics, Computational Biology	Malik Yousef
10:30	Coffee Break	
10:45	Sessions	

Note: This schedule shows presentations arranged in 15-minute time slots in order to fit all presentations into the day. In reality there are always a few absent speakers resulting in approximately 20-25 minutes per presentation.



DAY 2 - VIENNA AUSTRIA (12TH NO VEMBER 2021)

TRACK 1

TRACK 2

Session: Exploring Genetics and Genomics

10:45

Modeling human disease in rodents by CRISPR/Cas9 genome editing

Marie-Christine Birling

11:00

Host genetics of response to porcine reproductive and respiratory syndrome in nursery pigs

Jack Dekkers

11:15

Gaucher disease as a model for rare diseases

Ari Zimran

11:30

Infertility and recurrent pregnancy loss: how much we know bout the role of genetics?

Khalid Arab Awartani

Session: Radiology

11:45

Capacitive Imaging for Skin Water Content and Skin Chemical Penetration Measu

Perry Xiao

12:00

Optimizing Patient Positioning and Flouroscopic Imaging for the Performance of Cervical Interlaminar Epidural Steroid Injections

Bradly Goodman

12:15

Effect of irradiation on the parameters that influence quality characteristics of uncured and cured cooked turkey meat products

Dong Ahn

12:30

Artificial Intelligence Based Imaging Analysis for Management of Cancer

Lydia Min-Ying Su

Session: Next Generation Immunology

10:45

Correlation and cluster analysis of immunomodulatory drugs based on cytokine profiles

Andreas Tilevik

11:00

Overcoming Waning Immunity in Pertussis Vaccines: Workshop of the National Institute of Allergy and Infectious Diseases

Eric Harvill

11:15

Trophoblast Expression of Major
Histocompatibility Complex Class I Proteins
Triggers Immune-Mediated Rejection of Cloned
Bovine Conceptuses

Christopher David

Session: Mental Health & Psychology

11:30

Profiling patients with trauma-related disorders, dissociative disorders, and personality disorders: a two-dimensional model of childhood trauma and emotional neglect.

Marleen Wildschut

11:45

A One-Two Punch: Autism, Catatonia and Violence?

Edward Shorter

12:00

Gender typical patterns and the link between alexithymia_ dyadic coping and psychological symptoms

Barbara Gabriel

12:15

The quick and dirty way to health; Using the emotion of disgust in promoting healthy behaviors

Mark van Overveld



DAY 2 - VIENNA AUSTRIA (12TH NO VEMBER 2021)

TRACK 1 TRACK 2

12:45

Suppression of Free Radical-Induced Radiation and Ischemia-Reperfusion Organ Damage Using the New PrC-210 Aminothiol Free Radical Scavenger

William Fahl

Session: Physiology

13:00

Anesthesiologist as Physiologist: methods of waveform analysis using clinical example

Aymen Alian

Session: Dermatology

13:15

The role of biofilms/immune system in chronic diseases

Herbert Allen

13:30

Lunch Break

Session: Oncology

14:20

Prevention Early diagnosis and treatment of Pulmonary Complications after Hematopoietic Cell Transplantation

Ashok Srinivasan

14:35

Super-early Initiation of Temozolomide Prolongs the Survival of Glioblastoma Patients with Methylated MGMT or without Gross-total resection

HaiHui Jiang

12:30

Outpatient mental health care during the COVID-19 crisis in Flanders

Kris Goethals

12:45

A systematic review to investigate dramatherapy group work with working age adults who have a mental health problem

Jane Bourne

Session: Stem Cells and Internal Medicine

13:00

The roles for apically localized Mpp7 and Amot in Muscle Stem Cell Expansion and Self-Renewal

Chen M fan

13:15

The stem-cell disease model of age-related macular degeneration (AMD), a prominent in vitro model to delineate the mechanisms of AMD and establish therapeutic interventions Nady Golestaneh

13:30

Lunch Break

Session: Nursing & Healthcare Management

14:20

digital PCR as a monitoring tool for BC and GC patients during therapy.

Yan Wang

14:35

Surgical Robotics in Healthcare Global status & Future Trends

Sotiris Avgousti & Panicos Masouras



DAY 2 - VIENNA AUSTRIA (12TH NO VEMBER 2021)

TRACK 1 TRACK 2

14:50

Evolutionary Dynamics of Leukaemia Progression

Robert Jackson

15:05

Association of gene and protein expression and genetic polymorphism of CCL4 in patients with colorectal cancer

Levar Shamoun

15:20

Deubiquitinating enzymes as novel therapeutic targets in melanoma

Marcel Deckert

15:35

The evidence base for PRRT in GEPNEN tumours of the fore and mid gut

John Buscombe

15:50

intensive care management of cancer patients who develop toxicities after receiving chemo/immunotherapy including CAR-T therapy

Stephen Pastores

16:05

Safety and efficacy of Proposed Bevacizumab Biosimilar BE1040V in Patients with Metastatic Colorectal Cancer: A Phase III.

Sina Salari

16:20

OPALS: A New Osimertinib Adjunctive Treatment of Lung Adenocarcinoma or Glioblastoma Using Five Repurposed Drugs

Marc-Eric Halatsch

14:50

Measurement of clinical outcomes and value based care

Andrew Vallance-Owen

Session: Biology & BioEngeneering

15:05

Metabolic regulation of enteric pathogens

Vanessa Sperandio

15:20

Genetic predisposition to intracranial aneurysm

Ynte Ruigrok

15:35

Calcium pyrophosphate crystals associated with osteoarthritis: a physico-chemical and biological perspective

Christèle Combes

Session: Trends in Pharmacology & Toxicology

15:50

Animal toxins as promising drugs in the cardio-renal therapeutic axe

Nicolas Gilles

16:05

Are In Silico Methods Useful in Developing Anti-Tuberculosis Drug Regimens?

Brad Reisfeld

16:20

A novel rapid IL-6 release assay using blood mononuclear cells in the differential diagnostics of patients after hypersensitivity reactions to drugs

József Baló-Banga



DAY 2 - VIENNA AUSTRIA (12TH NO VEMBER 2021)

TRACK 1 TRACK 2

16:35

O-GlcNAcylation in Cancer Biology: Linking Metabolism and Signaling

Lorela Ciraku

16:50

Lifestyle behaviors for women with breast cancer- why they matter

Patricia Sheean

17:05

How a Scientist, a United States Senator, an Agriculture Secretary and a Hurricane Were Contributory in the Obesity Pandemic

Claude Lardinois

17:20

Genetic predisposition to prostate cancer

Jana McHugh

17:35

MYC, MYCL, and MYCN as therapeutic targets in lung cancer

Laura Soucek

17:50

Preclinical testing of ICA-1; a potent Protein kinase C-1 inhibitor as a potential anticancer drug.

Mildred Duncan

16:35

Pharmacology of the FAAH inhibitor NRTK001 (former V158866) and its implications for treatment development for Posttraumatic Stress Disorder

Alexander Neumeister

16:50

A comparison of the intrasubject variation in drug exposure between generic and brand-name drugs: a retrospective analysis of replicate design trials

Marc Maliepaard

17:05

The clinical pharmacokinetics impact of medical nanometals on drug delivery system

Ahmed Alalaiwe

17:20

Plasticizers in medical applications - curse or blessing

Rainer Otter

17:35

Taenia solium Glutathione Transferase Favors the Development of Th1-type Response and it is also a target to develop drugs.

Abraham Landa

17:50

PCBs, 2021 current issues that affect everyone

James Dahlgren



DAY 2 - VIENNA AUSTRIA (12TH NO VEMBER 2021)

TRACK 1 TRACK 2

Session: Osteology

18:05

Micro vibrations at 30 Hz on bone cells cultivated in vitro produce soluble factors for osteoclasts inhibition and osteoblast Activity

Salvador García López

Session: Advancing Knowledge in Diabetes

18.20

Apelin, a new path of worthwhile investigation in the treatment of diabetes?

Philippe Valet

18:35

Impact of Patient-Centered and Self-Care Education on Diabetes Control; the need for individualized care approach.

Ali Alhaqwi

Session: Gastroentology

18:50

Modeling the Human Intestine

Michael Helmrath

Session: Pathology

19:05

Fluid-Mosaic Membrane and Membrane Lipid Replacement

Garth Nicolson

Session: Pediatrics

19:20

Breastfeeding Multiples: It Can Be Done

Linda Bennington

18:05

Curcumin inhibits PhIP induced cytotoxicity in breast epithelial cells through multiple molecular targets

Ashok Jain

18:20

Modeling and predicting properties of pharmaceutical molecules with computational methods

Thomas Sharp

18:35

Modeling and predicting properties of pharmaceutical molecules with computational methods

Thomas R. Sharp

Session: Nutrition & Food Science

18:50

Dietary changes and anxiety during the coronavirus pandemic: a multinational survey

Vered Kaufman Shriqui

19:05

Early-Life Manipulation of Gut Microbiome and Prevention of Breast Cancer

Chantal Matar

19:20

The proportion of pro-inflammatory macrophages is related to fatty acid spectrum in cell membrane – synergy with LDL cholesterol risk

Rudolf Poledne



DAY 2 - VIENNA AUSTRIA (12TH NO VEMBER 2021)

TRACK 1 TRACK 2

19:35

The impact of newborn screening program: diagnosis, follow-up protocol and new era of treatment

Silvia Gartner

19:50

Snoring and Clinical Implications

Ricardo Raúl Grandón

20:05

Evolution of Surfactant Therapy

Fernando Moya

20:20

Early pregnancy vitamin D is associated to blood pressure in children

Josefine Nadia Pedersen

Session: Infectious Diseases

19:35

Borrelia burgdorferi and Lyme Disease: a neglected vector-born disease and zoonosis - amazing findings into birds, dogs and humans

Markus Büker-Steinschulte

19:50

Antibacterial Precision Biologics: Applications for Medicine and Food Safety

Yuri Gleba

20:05

How can I treat non infectious uveitis in 2021

Philip Bielefeld

20:20

Biofilm causes Chronic Infections

Randall Wolcott

20:35

Spanish Paediatrc Society. Performance, Guidelines and Responsability during Pandemic Period

MariaJose Mellado

Session: Hepatology

20:50

Reactivation of hepatitis

Bjan Sperl

21:05

Therapy of chronic hepatitis C in people who inject drugs: focus on adherence

Sona Frankova

21:20

Hepatic function of GLP-1 based drugs

Tianru Jin



DAY 3 - VIENNA AUSTRIA (13TH NO VEMBER 2021)

TIME	TITLE	SPEAKER
09:00	Keynote: Long coding RNA and Hypertension	Kazuo Murakami
09:20	Keynote: Metabolic obesity: A new therapeutic target for cardio-metabolic risk reduction	P.C. Manoria
09:40	Keynote: Wound Healing of Hard-to-Heal Wounds by Dressings Containing Copper Oxide Microparticles: Molecular Mechanisms and Clinical Experience	Gadi Borkow
10:00	Aberrant variants of splicing factor Prpf8 deregulate circular RNAs in cerebellar granule neurons	David Stanek
10:20	Coffee Break	
10:35	Sessions	

Note: This schedule shows presentations arranged in 15-minute time slots in order to fit all presentations into the day. In reality there are always a few absent speakers resulting in approximately 20-25 minutes per presentation.



DAY 3 - VIENNA AUSTRIA (13TH NO VEMBER 2021)

TRACK 1 TRACK 2

Session: Advancements in Cardiology

10:35

Thrombosis and Thromboembolism Prediction of Cardiovascular Devices

Keefe Manning

10:50

Dynamics of the Systemic Circulation: Effects of Arterial and Venous Windkessels

John Tyberg

11:05

How a Scientist, a United States Senator, an Agriculture Secretary and a Hurricane Were Contributory in the Obesity Pandemic

Claude Lardinois

11:20

Integration of Palliative Care into Heart Failure Care

Sarah Goodlin

11:35

Occlusion of LAA by extracardiac system AtriClip, our experiences

Ales Mokracek

11:50

The clinical significance of blood viscosity in cardiovascular medicine

Gheorghe Pop

12:05

Bicuspid aortic valve - a common congenital cardiac malformation associated with serious complications

Karl-Henrik Grinnemo

Session: Advancements in Surgery

10:35

Robotically assisted laparoscopic repair of anterior vaginal wall and uterine prolapse by lateral suspension with mesh: a standardized surgical technique and perioperative outcomes

Stas Shabanov

10:50

The Use of Bone Allograft for Digital Arthrodesis

Stephen Kominsky

11:05

Visceral artery aneurysms; old paradigms, new insights

Marie Josee van Rijn

11:20

Pediatric orthopedic surgery performed with limited facilities and at low-cost

Michel Onimus

11:35

Need for correct fracture analysis in unstable osteoporotic vertebral body fractures

Hans-Heinrich Trouillier

11:50

Perioperative optimalisation in orthopaedic surgery

Ton Lenssen

12:05

Vitamin D in Trauma and Orthopaedics

William Ribbans



DAY 3 - VIENNA AUSTRIA (13TH NO VEMBER 2021)

TRACK 1 TRACK 2

12:20

Local Field Fluorescence Microscopy: Imaging Cellular Signals in Intact Hearts

Ariel Escobar

12:35

Prior viral illness increases heat stroke severity in mice

Lisa Leon

12:50

CAD and Noninvasive Stress Testing for Coronary Artery Disease

Todd Miller

Session: Opthalmology

13:05

First nation-wide study of diabetic retinopathy in Poland in the years 2013-2017

Michal Nowak

13:20

Wilderness Medical Society practice guidelines for treatment of eye injuries and illnesses in the wilderness: 2014 update

Ryan Paterson

13:35

Lunch Break

12:20

Effect of remote ischemic preconditioning on exhaled nitric oxide concentration in piglets during and after one-lung ventilation

Astrid Beramann

12:35

Complicated intraabdominal infections in surgical patients-empiric antimicrobial therapy management

Vaclava Adamkova

12:50

The Surgery Epidemic And Tibial Shaft Fractures: Conservative Functional Treatment Algorithm For Tibial Shaft Fracture

Nitai Klein

13:05

Inadequate lipid control in PAD patients has serial cardiovascular consequences. A call to action

Diego Caicedo Valdés

13:20

Mastoidectomy without postoperative morbidity

J Kronenberg

13:35

Lunch Break



DAY 3 - VIENNA AUSTRIA (13TH NO VEMBER 2021)

TRACK 1 TRACK 2

Session: Neurology & Neuroscience

14:25

Endogenous Opsin 3 (OPN3) Protein Expression in the Adult Brain Using a Novel OPN3-mCherry Knock-In Mouse Model

Elena Oancea

14:40

Impact of Brain Mitochondria Imaging with PET

Hideo Tsukada

14:55

Neurological manifestations of HTLV-1

Kirsten Adriani

15:10

Robert Barany's Revolutionary Treatment of Brain Wounds in WW I

Dr. Michael Carey

15:25

Integration in heteroreceptor complexes in Neurology

Kjell Fuxe

15:40

Regional cerebral oxygen saturation and biochemical markers of brain damage during big joint arthroplasty

Dariusz Tomaszewski

15:55

Patterns of deficits in brain function in bipolar disorder and schizophrenia:
A cluster analytic study

Mei-Hua Hall

Session: Orthopedics

14:25

Perioperative Population Management: Reducing Hospital Length of Stay, Improving Quality & Returning Home

Armin Schubert

Session: Hematology

14:40

Acquired Hemophilia A in an advanced age patient of hispanic origin: a case report

Freddie Irizarry

Session: Urology

15:05

Illuminating the Reproductive Genome through the Knockout Mouse Project

Robert Braun

Session: Pulmonology

15:30

Expression Profiling Suggests Loss of Surface Integrity and Failure of Regenerative Repair as Major Driving Forces for Chronic Obstructive Pulmonary Disease Progression

Rolf Ziesche

15:45

Current understanding of the etiology of community acquired pneumonia

Daniel Musher

16:00

Clinical Approach to Interstitial Lung Disease

Carlos Remolina



DAY 3 - VIENNA AUSTRIA (13TH NO VEMBER 2021)

TRACK 1 TRACK 2

16:10

Technological advances in neurological surgery-modernizing the craniotomy

Timothy Burke

16:25

long term neurodevelopmental effects of general anesthetics on very young brain

Vesna Jevtovic-Todorovic

16:40

Neurorestorative interventions involving bioelectronic implants after spinal cord injury

Léonie Asboth

16:55

Clinical pathway to reduce feeding tube insertions in patients with advanced dementia

Maria Rey Hernández

17:10

Early detection of stress in for home and clinical health monitoring

Pierre Cluitmans

17:25

Video-feedback Intervention to promote Positive Parenting adapted to Autism (VIPP-AUTI): A randomized controlled trial

Fabienne Naber

17:40

Genomic Insights into Neuronal Plasticity of Human Brain

Arijit Mukhopadhyay

Session: Endocrinology

16:15

EURION: European Cluster to Improve Identification of Endocrine Disruptors – shedding new light on disruption of thyroid function, neurodevelopment, metabolic functions and female reproductive health.

Joelle Ruegg

16:40

The evolving role of LC-MS/MS in optimizing the diagnosis and management of patients with thyroid and adrenal diseases

Steven Soldin

Session: Global Public Health & Covid-19

17:05

Planetary Health from an Ecologist's Perspective

Brian Fath

17:20

Tobacco Harm Reduction in Medicine and Public Health – What are the prerequisites for a positive contribution?

Thomas Nahde

17:35

How important is physical activity and sport in youth for health in adult age. Data from the Amsterdal Growth And Health Longitudinal Study (AGAHLS)

Han Kemper

17:50

The effects of acute exercise on metabolic health during energy balance.

Gary Hunter

18:05

Prevention and treatment of COVID-19 in people living with HIV—What should we do next?

Jiaxiang Chen



DAY 3 - VIENNA AUSTRIA (13TH NO VEMBER 2021)

TRACK 1 TRACK 2

17:55

Circular RNA, hypertension and cardiac hypertrophy

Boris Tabakoff

18:10

Endogenous Opsin 3 (OPN3) Protein Expression in the Adult Brain Using a Novel OPN3-mCherry Knock-In Mouse Model

Elena Oancea

18:25

A tale of two steroids: The importance of the androgens DHEA and DHEAS for early neurodevelopment

Angela Cumberland

18:40

Parkin-dependent mitophagy: Role of Mdm2 and arrestins

Eugenia V Gurevich

Session: Oxidative Stress

18:55

Antioxidants and Radical Damage in a Hydrophilic Environment - Chemical Reactions and Concepts

Thomas Nauser

19:10

Methylene blue improves mitochondrial respiration and decreases oxidative stress in a substrate-dependent manner in diabetic rat hearts

Oana Aburel

19:25

The dual role of antioxidants as scavengers of free radicals and as singlet oxygen generators

Ángel Trigos

18:20

Access to Oral Health Care: Inequities and disparities and their impact on preventing chronic disease

MARY AUBERTIN

18:35

Vaccine complacency and dose distribution inequities limit the benefits of seasonal influenza vaccination

Bram Palache

18:50

Pathogenesis of tularemia and Epidemiologic and Epizootic Data of Tularemia in Croatia

Marina Santic

19:05

Work-related upper limb musculoskeletal disorders and Health Surveillance: concerns for occupational health professionals

Marisa Guerreiro -

19:20

Rehabilitation and Long Covid: Anticipating escalating needs

Marisa Guerreiro -

Session: Dentistry

19:35

Impact of rheumatic diseases on oral health and quality of life

Jukka Meurman

Session: Medical Education

19:50

Role of Personality Profiles and Medical School Experience in the Choice to Become a Surgeon

Joelle Ruegg





CONTACT



office@esmed.org



https://esmed.org/