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ACADEMICIAN NICOLAE CAJAL SYMPOSIUM of THE ROMANIAN ACADEMY OF MEDICAL SCIENCES



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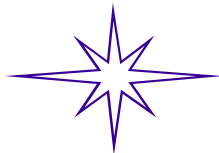


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Costin Cernescu*

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Dragoș Vinereanu*



Dear colleagues,

Academician Nicolae Cajal Symposium of the Romanian Academy of Medical Sciences with the theme “Molecular Mechanisms of acute and chronic diseases” organized at the Romanian Academy Library gives an opportunity to all medical groups, both national and international, to communicate and compare the most recent results in order to develop future research projects.

We know that great discoveries in all fundamental sciences are guidelines for the young scientists in their work and therefore this event would like to create the proper filed for them to develop by encouraging permanently young doctors and students to attend the event.

Hoping that this years’s Symposium will represent, as well as all the other ten editions, a progress in understanding medicine and translational research, we wish you a successful meeting!

Prof. Irinel Popescu

President of the Romanian Academy of Medical Sciences
Symposium President

A handwritten signature in blue ink, appearing to read 'I. Popescu', written over a light blue rectangular background.

13.30 – 14.00 REGISTRATION

Romanian Academy Library, Foyer

14.00 – 14.30 OFFICIAL OPENING CEREMONY

Ionel Valentin Vlad – President, Romanian Academy

Irina Cajal Marin – President, Academician Nicolae Cajal Foundation

Irinel Popescu – President, Romanian Academy of Medical Sciences

Costin Cernescu – Honorific Director, “Stefan S. Nicolau” Institute of Virology

Dan Duda - Massachusetts General Hospital, USA

Adrian Barbu – President, Corporate Dynamics , Switzerland

14.30 – 16.30 SESSION I

Chairman: I. Popescu, A.V. Ciurea

3D DIFFUSE TENSOR IMAGING IMPORTANT ACQUISITION IN EXPANSIVE TUMORAL AND NON TUMORAL INTRACRANIAL LESIONS

A.V. Ciurea (1,3), Virgil Ionescu (1), I.F. Luca-Husti (1), R.E. Rizea (2,3)

(1) Sanador Clinical Hospital;

(2) Emergency Hospital „Bagdasar-Arseni”;

(3) University of Medicine and Pharmacy “Carol Davila”, Bucharest.

EARLY MOLECULAR MARKERS OF PREHYPERGLICEMIC STAGES OF CLINICAL DIABETES

C. Ionescu-Tîrgoviște (1,2), R.I. Stefan-van Staden (3), P. Gagniuc (1), D. Lixandru (2), C. Guja (1,2)

(1) National Institute of Diabetes, Nutrition and Metabolic Diseases, "N.C. Paulescu"

(2) UMF Carol Davila;

(3) Laboratory of Electrochemistry and PATLAB, Bucharest, National Institute of Research for Electrochemistry and Condensed Matter, Romania.

ONCOGEN - STRATEGY FOR EXCELLENCE IN RESEARCH

Paunescu Virgil (1), Tanasie Gabriela (1), Panaitescu Carmen (2)

(1) "Victor Babes" University of Medicine and Pharmacy, Timisoara;

(2) "Pius Brinzeu" Clinical Emergency County Hospital, Timisoara.

MOLECULAR MARKERS IN ARTERIAL HYPERTENSION

Dorobantu Maria

“Carol Davila” University of Medicine and Pharmacy, Bucharest

16.45 – 19.00 SESSION II

Chairman: D. Duda, F. Selaru

PANCREATIC CANCER: DETERMINANTS OF METASTASIS AND ROLE OF CIRCULATING BIOMARKERS

Dan Duda

Edwin L. Steele Laboratories for Tumor Biology Department of Radiation Oncology, Massachusetts General Hospital

CHOLANGIOCARCINOMA: GENOMIC LANDSCAPE AND ITS IMPLICATION

Apinya Jusakul

Duke-NUS Graduate Medical School Singapore

BONE MARROW NICHE, A DRUG FREE SANCTUARY FOR CANCER STEM CELLS

Gabriel Ghiaur

Johns Hopkins Medicine

GOLD NANOPARTICLES ENHANCE THE EFFECT OF TYROSINE KINASE INHIBITORS IN ACUTE MYELOID LEUKEMIA THERAPY

Bobe Petrushev (1), Sanda Boca (2), Timea Simon (2), Cristian Berce (3), Ioana Frinc (4), Delia Dima (4), Sonia Selicean (3), Grigore-Aristide Gafencu (3), Alina Tanase (5), Mihnea Zdrenghea (4,6), Adrian Florea (7), Sorina Suarasan (8), Liana Dima (8), Raluca Stanciu (3), Ancuta Jurj (1), Anca Buzoianu (9), Andrei Cucuianu (4,6),† Simion Astilean (2,10), Alexandru Irimie (11,12), Ciprian Tomuleasa (1,4)

(1) Research Center for Functional Genomics and Translational Medicine, Iuliu Hatieganu University of Medicine and Pharmacy;

(2) Nanobiophotonics and Laser Microscopy Center, Babes Bolyai University;

(3) Department of Medicine, Iuliu Hatieganu University of Medicine and Pharmacy;

(4) Department of Hematology, Ion Chiricuta Oncology Institute, Cluj-Napoca;

(5) Department of Stem Cell Transplantation, Fundeni Clinical Institute, Bucharest,

(6) Department of Hematology;

(7) Department of Cell and Molecular Biology;

(8) School of Dentistry;

(9) Department of Pharmacology, Iuliu Hatieganu University of Medicine and Pharmacy;

(10) Faculty of Physics, Babes Bolyai University;

(11) Department of Surgery, Ion Chiricuta Oncology Institute;

(12) Department of Surgery, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania; †This author passed away in February 2015.

19.00

COCKTAIL

Foyer Romanian Academy Library

08.30 – 10.30 **SESSION III**

Chairman: Stefana M. Petrescu, Pål Sætrom

CLASS I RESTRICTED PRESENTATION OF N-GLYCOSYLATED ANTIGENS

Stefana M. Petrescu

Department of Molecular Cell Biology, Institute of Biochemistry of Romanian Academy

MICRORNA SIGNATURES OF HEPATOCELLULAR CARCINOMA IN SERUM AND TISSUE

Pål Sætrom, DPhil, Professor

Dept. of Computer and Information Science, Dept. of Cancer Research and Molecular Medicine, Norwegian University of Science and Technology, Trondheim, Norway

EXTRACELLULAR VESICLES IN THE TREATMENT OF CANCERS

Florin Selaru

Johns Hopkins Medicine

PATHOPHYSIOLOGICAL IMPLICATION OF TRP ION CHANNELS IN PANCREATIC CANCER

Roxana Ulareanu (1), Gabriela Chiritoiu (3), Alexandru Deftu (1), Violeta Ristoiu (1), Simona Dima (2), Irinel Popescu (2), Dana Cucu (1)

(1) University from Bucharest, Faculty of Biology, Department of Anatomy, Physiology, and Biophysics;

(2) Clinical Institute Fundeni, Bucharest, Romania;

(3) Institute of Biochemistry, Bucharest, Romania.

MODELING PROTEIN-DNA INTERACTIONS WITH EXPERIMENTAL CONSTRAINTS. A STUDY CASE ON RAG PROTEINS AND THE PAIRED COMPLEX FORMATION.

Petrescu A-J (1), Surleac MD (1), Spiridon LN (1), Ciubotaru M (2,3), Schatz D (3)

(1) Department of Bioinformatics and Structural Biochemistry, Institute of Biochemistry of the Romanian Academy - DBSB-IBAR;

(2) IFIN-HH, Bucharest, Romania;

(3) Department of Immunobiology, Yale School of Medicine, USA.

10.30 – 11.00 **Coffee Break**

11.15 – 11.30 Company presentation **ROCHE DIAGNOSTIC**

"INNOVATION PATHWAY AND AN ACTIVE PARTNERSHIP WITH ROCHE DIAGNOSTICS"

Crenguta Strimbeanu Dinu, PhD, Product Specialist - Roche Diagnostics

11.30 – 13.30 **SESSION IV**

Chairman: M. Hinescu, D. Duda

PRECISION MEDICINE - MULTIOMIC APPROACHES

Cristiana Tanase (1,2), Radu Albulescu (1,3), Mihail E Hinescu (1,4)

(1) Victor Babes National Institute of Pathology, Biochemistry-Proteomics Department, Bucharest, Romania;

(2) Titu Maiorescu University Of Bucharest, Faculty of Medicine, Romania;

(3) National Institute for Chemical Pharmaceutical R&D, Bucharest, Romania;

(4) Carol Davila University of Medicine and Pharmacy, Cellular and Molecular Medicine Department, Bucharest, Romania.

POSSIBLE EPIGENETICSBIOMARKERS IN PANCREATIC ONCOGENESIS

Anca Botezatu (1), Iulia V. Iancu (1), Adriana Plesa (1), Carmen C. Diaconu (1), Gabriela Anton (1), Raluca Florea (2), Veronica Ilie (2), Andrei Sorop (2), Nicolae Bacalbasa (2), Valeria Tica (2), Simona O. Dima (2), Irinel Popescu (2)

(1) "Stefan S. Nicolau" Institute of Virology", Romania;

(2) Fundeni Clinical Institute, Gastroenterology and Hepatic Transplantation Center, Romania.

HEPATOCYTE TELOMERASE EXPRESSION IN CHRONIC LIVER DISEASE AND PRIMARY LIVER TUMORS - ARGUMENTS FOR HEPATOCYTE REPROGAMMING

Iacob Razvan, Becheanu Gabriel, Herlea Vlad, Pechianu Catalin, Dumbrava Mona, Iacob Speranta, Vagu Codruta, Nastase Anca, Ghetea Ligia, Gheorghe Liana, Popescu Irinel
Fundeni Clinical Institute, Bucharest

HEPATOCELLULAR CARCINOMA - ROLE OF CIRCULATING BIOMARKERS

Dan Duda

Associate Professor Edwin L. Steele Laboratories for Tumor Biology Department of Radiation Oncology, Massachusetts General Hospital

13.30 – 13.45 Company presentation **AGILROM SCIENTIFIC**
AGILENT GENOMICS – making an impact in cancer genetics
Ana Maria Niculescu, PhD, Genomics Division

13.45 – 14.30 **LUNCH BREAK**

14.30 – 14.45 Company presentation **ILLUMINA**
FURTHERING CANCER RESEARCH WITH GENOMICS SOLUTIONS FROM ILLUMINA
Szabolcs Kökény, Product Specialist EMEA, Illumina

14.45 – 16.30 **SESSION V**
Chairman: L. Zagrean, A. Restian

NEUROSCIENCE OF STRESS

Leon Zagrean

'Carol Davila' University of Medicine and Pharmacy, Bucharest

FROM MOLECULAR PATHOLOGY TO INFORMATIONAL PATHOLOGY

Restian Adrian

University of Medicine and Pharmacy "Carol Davila", Bucharest

CROSS-TALK BETWEEN VASCULAR AND IMMUNE CELLS ACCELERATES THE EVOLUTION OF ATHEROSCLEROTIC PLAQUE: THE MECHANISMS INVOLVED.

Elena Butoi, Ileana Manduteanu, Maya Simionescu

Institute of Cellular Biology and Pathology "Nicolae Simionescu"

ALTERATION OF BRAIN BARRIERS AND PROGRESSION OF NEURODEGENERATION

Bogdan O. Popescu

Department of Neurology, Colentina Clinical Hospital, School of Medicine, 'Carol Davila' University of Medicine and Pharmacy, Bucharest

Department of Molecular Medicine and Neuroscience, 'Victor Babes' National Institute of Pathology, Bucharest

16.30 – 16.45 **COFFEE BREAK**

16.45 – 17.00 Company presentation **NOVAINTERMED**
THE UTILITY OF MOLECULAR SCREENING IN SOLID TUMORS
Ana-Maria Georgescu, PhD

17.00 – 18.30 **SESSION VI**
Chairman: C. Nitipir

100% SVR12 WITH INTERFERON-FREE REGIMENS IN BOTH PRE AND POSTTRANSPLANT PATIENTS WITH HEPATITIS C ALTHOUGH ON TREATMENT VIRAL KINETICS DIFFER BETWEEN CIRRHOSIS AND LT RECIPIENTS

Speranta Iacob, Irinel Popescu, Liana Gheorghe
Fundeni Clinical Institute, Bucharest

MOLECULAR PROGNOSTIC MARKERS IN PANCREATIC ADENOCARCINOMA

Madalin Ionuț Costache (1), Sevastița Iordache (1), Mihai Ioana (2), Cornelia Alexandra Costache (3), Tudorel Ciurea (1), Adrian Saftoiu (1,4)

(1) Department of Gastroenterology, Research Center of Gastroenterology and Hepatology Craiova, University of Medicine and Pharmacy Craiova, Romania;

(2) Department of Genomics, University of Medicine and Pharmacy Craiova, Romania;

(3) Neurology Department, Neuropsychiatry Hospital, Craiova, Romania;

(4) Endoscopy Department, Gastro-Unit, Copenhagen University Hospital Herlev, Denmark.

EXPERIMENTAL MODELS FOR INFLAMMATORY BOWEL DISEASE: WHICH IS BETTER?

Cristina- Sorina Catana (1), Elena Cristina Craciun (2), Cristian Magdas (3), Flaviu Tabaran (4), Vasile Cozma (3), Dan Lucian Dumitrascu (5)

(1) Department of Medical Biochemistry, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca;

(2) Department of Pharmaceutical Biochemistry and Clinical Laboratory, "Iuliu Hatieganu" University of Medicine and Pharmacy;

(3) Department of Parasitology and Parasitic Diseases, University of Agricultural Sciences and Veterinary Medicine;

(4) DVM, M.Sci, PhD, University of Agricultural Science and Veterinary Medicine Cluj-Napoca Faculty of Veterinary Medicine Department of Anatomic Pathology, Necropsy and Forensic Medicine Department of Morphopathology, University of Agricultural Sciences and Veterinary Medicine;

(5) Medical Department, "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca.

INTRATHORACIC TUMORS: FROM MOLECULAR DIAGNOSIS TO TREATMENT

Cornelia Nitipir (1,5), Bogdan Popescu (1), Maria Barbu (1,5), Cristian Paleru (2,5), Florina Vasilescu (3,4), Irina Radu (1)

(1) Elias Emergency University Hospital, Bucharest, Romania;

(2) "Prof. dr. Marius Nasta" Institute for Pneumology, Bucharest, Romania;

(3) Victor Babes National Institute of Pathology, Bucharest, Romania;

(4) Monza Hospital, Bucharest, Romania;

(5) "Carol Davila" University of Medicine and Pharmacy Bucharest, Romania.

ENDOTHELIAL MICROPARTICLES AND INFLAMMATORY BIOMARKERS IN HEART FAILURE

O. Vittos (1), R. Huica (2), D. Marta (2), A. Vittos (3), E. Moldoveanu (2,4)

(1) Medone Research, Bucharest, Romania;

(2) "Victor Babes" National Institute of Pathology and Biomedical Research, Bucharest, Romania;

(3) "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania;

(4) "Titu Maiorescu" University, Bucharest, Romania.

09.00 – 10.30 **SESSION VII**

Chairman: Carmen Cristina Diaconu

COMMON GENETIC VARIANTS : PREDICTION OF PHENOTYPE AND THERAPEUTIC RESPONSE IN MAJOR PSYCHOSES

Maria Grigoriu-Serbanescu (1), Carmen C. Diaconu (2), Ana Iulia Neagu (2), Guia Guffanti Masetti (3)

(1) Alexandru Obregia Clinical Psychiatric Hospital, Bucharest;

(2) Stefan S Nicolau Institut of Virology, Bucharest;

(3) McLean Hospital, Harvard Medical School, Boston.

PATTERNS OF PROTEIN PHOSPHORYLATION IN BCR-ABL1 NEGATIVE MYELOPROLIFERATIVE NEOPLASMS

Cristina Mambet (1), Laura G. Necula (1), Coralia Bleotu (1), Ioana M. Aldea (1), Ana I. Neagu (1), Lilia Matei (1), Denisa Dragu (1), Mihaela Chivu Economescu (1), Carmen C. Diaconu (1), Stefan N. Constantinescu (2)

(1) Department of Cellular and Molecular Pathology, Stefan S. Nicolau Institute of Virology, Bucharest;

(2) Ludwig Institute of Cancer Research, Bruxelles Branch, Belgium.

EPIGENETIC ALTERATIONS IN CERVICAL CARCINOMA

Iulia V. Iancu (1), Anca Botezatu (1), Adriana Plesa (1), Irina Huica (1), Demetra Socolov (2), Gabriela Anton (1)

(1) "Stefan S. Nicolau" Institute of Virology, Bucharest, Romania;

(2) "Gr.T.Popa" University of Medicine, Iassy, Romania.

REAL TIME PCR METHOD FOR RAPID DIAGNOSIS OF INFECTIOUS MENINGITIS HIV-INFECTED PATIENTS

M.Nica (2), A.Toderan (1), C.Barbu (1), M.Ciuciuc (1), C.Iorga (1), C.Oprea (1), S.Erscoiu (2), V.Simion (2), S.Florescu (2), D.Stanciu (1), L.Ene (1), I.Popa (1), E.Ceausu (2).

(1) "Victor Babes" Clinical Hospital of Infectious Diseases, Bucharest;

(2) Carol Davila University of Medicine and Pharmacy, Bucharest.

BMETABOLIC RISK FACTORS EVALUATION IN A YOUNG POPULATION WITH NORMAL BMI

Marina Otelea (1), Adrian Streinu-Cercel (1,2), Mihai Tusaliu (3), Maria Nitescu (1,2)

(1) Carol Davila University of Medicine and Pharmacy;

(2) Matei Bals Institute of Infectious Diseases;

(3) Prof. Dr. D. Hociota Phono-audiology and Functional Surgery Institute of Otolaryngology.

10.30 – 11.00 **COFFEE BREAK**

11.00 – 13.00 **SESSION VIII**

Molecular Mechanisms of viral infections with major impact on public health

Chairman: Simona Ruta

PHYLODYNAMICS AND PHYLOGEOGRAPHY OF INFECTIOUS DISEASES

Marco Salemi

College of Medicine, University of Florida, USA

ANTIRETROVIRAL RESISTANCE IN A COHORT OF EXTENSIVELY- TREATED HIV- INFECTED ROMANIAN PATIENTS

Aura Temereanca(1,2), Luminita Ene(3), Carmen Diaconu(2) , Adelina Rosca(1,2), Claudia Dita (2), Chiriac Dana (2), Mihaila Petruta (2), Cristian Achim (4), Simona Ruta (1,2)

(1) Carol Davila University of Medicine and Pharmacy, Bucharest, Romania;

(2) Stefan S. Nicolau Institute of Virology, Bucharest, Romania;

(3) Dr Victor Babes Hospital for Infectious and Tropical Diseases, Bucharest, Romania;

(4) University of California San Diego, La Jolla, USA.

MICRORNA PROFILE IN HIV-HBV COINFECTION

Adelina Rosca(1,3), Gabriela Anton(3), Claudia Dita (3), Aura Temereanca (1,3), Luminita Ene (2), Cristian Achim (4), Simona Ruta (1,3)

(1) Carol Davila University of Medicine and Pharmacy, Bucharest, Romania;

(2) Dr Victor Babes Hospital for Infectious and Tropical Diseases, Bucharest, Romania;

(3) Stefan S. Nicolau Institute of Virology, Bucharest, Romania;

(4) University of California San Diego, La Jolla, USA.

LACTOFERRIN-DERIVED PEPTIDES WITH ANTI-HEPATITIS B VIRUS ACTIVITY-IN VITRO STUDIES

Paula E. Florian(1), Adina I. Milac (2), Catalin Lazar (3), Robert W. Evans (4), Simona Ruta (5), Norica Nichita (3), Anca Roseanu (1)

(1) Institute of Biochemistry of the Romanian Academy, Ligand-Receptor Interactions Dept;

(2) Institute of Biochemistry of the Romanian Academy, Bioinformatics and Structural Biochemistry Dept;

(3) Institute of Biochemistry of the Romanian Academy, Viral Glycoproteins Dept;

(4) Brunel University, Metalloprotein Research Group, Division of Biosciences;

(5) Stefan S. Nicolau Institute of Virology, Emergent Diseases Department.

INFLAMMATION MARKERS AND EFFECTORS IN LONG TIME INFECTED AND NEWLY DIAGNOSED HIV PATIENTS

Leontina Banica, Ovidiu Vlaicu, Ana Maria Tudor, Ruxandra Moroti, Mihaela Fratila, Simona Paraschiv, Dan Otelea

“Prof. Dr. Matei Bals” National Institute for Infectious Diseases Bucharest, Romania

SEVERE CASES OF INFLUENZA DURING THE 2014/2015 SEASON

C. P. Popescu(1,2), S. Ruta (1), S. A. Florescu(1,2), C. Ciobanu (2), E. Lupulescu (3), M. Lazar (3), G. Tardei (2), E. Ceausu (1,2)

(1) University of Medicine and Pharmacy "Carol Davila" Bucharest , Bucharest/RO;

(2) Clinical Hospital of Infectious and Tropical Diseases "Dr. V. Babes" Bucharest/RO;

(3) National Institute of Microbiology Cantacuzino, Bucharest/RO.

13.00 – 14.00 **LUNCH BREAK**

14.00 – 16.00 **SESSION IX**

Chairman: G. Anton

AIDS IN ROMANIA 1988-2016. IN MEMORIAM PROFESSOR NICOLAE CAJAL, PHD.

Patrascu I.V, C. Chiurciu

Romvac Company SA

THE SIGNIFICANCE OF MOLECULAR DIAGNOSTIC IN INFECTIONS WITH RESPIRATORY SYNCYTIAL VIRUS

Cristina Tecu (1), Maria-Elena Mihai (1), Mihaela Lazar (1), Carmen Cherciu (1), Alina Ivanciuc (1), Elena Duca (2), Letitia Duceac (3), Emilia Lupulescu (1).

(1) National Research Institute "Cantacuzino";

(2) Public Health Department Iasi;

(3) Pediatric Hospital "Saint Mary" Iasi.

MODERN IMMUNOGLOBULINS (IGY) (4). PREVENTION AND TREATMENT OF INFECTIONS WITH ANTIBIOTIC-RESISTANT SPECIFIC PATHOGENIC GERMS IN HUMANS

C. Chiurciu (1), E. Ceausu (2), Viorica Chiurciu (1), S. Lazar (2), Georgiana Topilescu (1), Mariana Oporanu (1), Iuliana Mihai (1), Lucica Sima (1), Patrascu V (1)

(1) Romvac Company SA;

(2) "Victor Babeş" National Institute of Pathology, Bucharest.

REDOX DANGER SIGNALS IN RHEUMATOID ARTHRITIS

Gina Manda (1), Maria Dobre (1), Gheorghita Isvoranu (1), Mihnea-Ioan Nicolescu (1,2)

(1) INCDC "Victor Babeş", Bucharest;

(2) University of Medicine and Pharmacy "Carol Davila", Bucharest.

MECHANISMS IN SALIVARY GLANDS REGENERATION

Mihnea-Ioan Nicolescu (1,2), Gheorghita Isvoranu (1), Bogdan Marinescu (1)

(1) "Victor Babeş" National Institute of Pathology, Bucharest;

(2) "Carol Davila" University of Medicine and Pharmacy, Bucharest.

LIPOPROTEIN-ASSOCIATED PHOSPHOLIPASE A₂ (LpPLA₂) – INFLAMMATORY BIOMARKER IN CARDIOVASCULAR DISEASES

E. Moldoveanu

"Titu Maiorescu" University, Bucharest, Romania

DYNAMICS OF BIOMARKERS AFTER CORONARY STENT PROCEDURE

O. Vittos (1), D. Marta (2), G. Tanaseanu (3), A. Vittos, E. Moldoveanu (2,4)

(1) Medone Research, Bucharest, Romania;

(2) "Victor Babeş" National Institute of Pathology and Biomedical Research, Bucharest, Romania;

(3) "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania;

(4) "Titu Maiorescu" University, Bucharest, Romania.

MOLECULAR DETERMINATIONS (ANTIGENIC EPITOPES) IN FOODCROSS ALLERGIES DIAGNOSIS WITH ORAL LOCALIZATION

Georgeta Sinitchi

"Apollonia" University of Iasi, "Atopia" Allergology Medical Center Iasi

16.00 – 17.15 **SESSION X**

Chairman: R. Tanasescu

OF MEN AND WORMS: TREATMENT WITH HELMINTHS IN MULTIPLE SCLEROSIS

Radu Tanasescu (1,2)

(1) Department of Neurology, Colentina Hospital, Carol Davila University of Medicine and Pharmacy, Bucharest;

(2) Academic Clinical Neurology, Division of Clinical Neuroscience, University of Nottingham, Anglia.

**PRIONIC DISEASES. MOLECULAR MECHANISMS AND FUTURES
PHARMACOTHERAPEUTICAL PERSPECTIVES**

*Andreea Letitia Arsene, Niculina Mitrea, Cristina Manuela Dragoi, Alina Crenguta Nicolae
UMF „Carol Davila”, Faculty of Pharmacy, Microbiology Department, Bucharest, Romania*

MOLECULAR MECHANISMS IN RHEUMATOID ARTHRITIS

*Simona Soare, Ana Maria Orban, Dana Banica
SUUE Bucuresti*

FROM MOLECULAR MARKERS TO PERSONALIZED BRAIN TUMOURS THERAPY

*Anica Dricu (1), Ghazaleh Emami (1), Stefan-Alexandru Artene (1), Ligia Gabriela Tataranu(2),
Vasile Ciubotaru (2)*

*(1) Department of Biochemistry, University of Medicine and Pharmacy of Craiova, Craiova,
Romania;*

*(2) Department of Neurosurgery, “Bagdasar–Arseni” Emergency Hospital, Bucharest,
Romania.*

17.15 – 17.30 **CLOSING CEREMONY**

Herbert Berler Barbu Awards

1. STRUCTURAL ANOMALIES OF CHROMOSOME 11 IN MYELOID AND LYMPHOID MALIGNANCIES

Arghir A (1), Papuc SM (1), Bumbea H (2), Cisleanu D (2), Tevet M (3), Popov V (3), Vladareanu AM (2), Tutulan-Cunita A (1)

(1) Victor Babes National Institute of Pathology, Bucharest;

(2) Emergency University Clinical Hospital, Bucharest;

(3) Colentina Clinical Hospital, Bucharest.

2. CROHN'S DISEASE – MORPHOLOGICAL PARTICULARITIES

Mariana Aschie (1,2,3), Alexandra Maiorean (1,2), Ionut Poinareanu (1,2), Gabriela Izabela Baltatescu (2), Manuela Enciu (1,2)

(1) Ovidius University, Constanta;

(2) Clinical County Emergency SF. Apostol Andrei, Constanta;

(3) Academy of Medical Sciences.

3. EPIGENETIC MODIFICATIONS IN DIFFERENTIATED THYROID CANCER.

Anca Botezatu (1), Iulia V. Iancu (1), Oana Popa (2), Adriana Plesa (1), Dana Manda (2), Marinela Bostan (1), Suzana Vlodoiu (2), Irina Huica (1), Gabriela Anton (1), Corin Badiu (2)

(1) "Stefan S. Nicolau" Institute of Virology, Bucharest;

(2) "CI Parhon" National Institute of Endocrinology, Bucharest.

4. CORRELATIONS BETWEEN MOLECULAR AND CYTOLOGICAL ASPECTS IN CHRONIC GENITAL INFECTION WITH CHLAMYDIA TRACHOMATIS

Anca Chiso (1,2), Mariana Aschie (1,3,4), Bogdan Nitu (2), Raluca Cotovitchi (2), Antonela Anca Nicolau (1), Ionut Poinareanu (1,3)

(1) Clinical County Emergency SF. Apostol Andrei, Constanta;

(2) Prodiagnostic SRL, Constanta;

(3) Ovidius University, Constanta;

(4) Academy of Medical Sciences.

5. CYTOTOXIC STUDIES ON SPECIFIC ACTIVITIES OF SAPROPELIC MUD FOR THERAPEUTICAL POTENTIAL ASSESSMENT

Elena Codrici (1), Cristiana Tanase (1,2), Ionela Daniela Popescu (1), Simona Mihai (1), Ana-Maria Enciu (1,2), Nicu Stoica (3), Radu Albulescu (1,4)

(1) Victor Babes National Institute of Pathology, Biochemistry-Proteomics Department, Bucharest, Romania;

(2) Titu Maiorescu University Of Bucharest, Faculty of Medicine, Romania;

(3) Carol Davila University of Medicine and Pharmacy, Cellular and Molecular Medicine Department, Bucharest, Romania;

(4) SC Pellamar Cosmetics SRL, Buzău, Romania;

(5) National Institute for Chemical Pharmaceutical R&D, Bucharest, Romania.

6. SINDROM 46,x,i(x)(q0) – CASE REPORT

Georgiana Camelia Cozaru (1), Mariana Aschie (1,2,3), Anca Florentina Mitroi (1), Ionut Poinareanu (1,2), Anca Chiso (1)

(1) Clinical County Emergency SF. Apostol Andrei, Constanta;

(2) Ovidius University, Constanta;

(3) Academy of Medical Sciences.

7. PROGNOSTIC VALUE OF GENE PROFILE IN NEUROENDOCRINE TUMORS

Maria Dobre (1), Maria Victoria Comanescu (1), Simona Enache (1), Valentin Enache (1), Florina Vasilescu (1,2)
(1) „Victor Babes” National Institute of Pathology, Bucharest
(2) „Dr. Carol Davila” Central University Emergency Military Hospital, Bucharest

8. PLANT PRODUCTION OF HBV-DERIVED ANTIGENS FOR VACCINE DEVELOPMENT.

Mihaela-Olivia Dobrica (1), Lisa Paruch (2), Catalin Lazar (1), Hege Steen (2), Sissel Haugslien (2), Catalin Tucureanu (3), Iuliana Caras (3), Crina Stavaru (3), Norica Nichita (1), Jihong Liu Clarke (2).
(1) Institute of Biochemistry of the Romanian Academy;
(2) Norwegian Institute of Bioeconomy Research (NIBIO);
(3) The Cantacuzino National Institute for Research and Development for Microbiology and Immunology (CNIRDMI) .

9. AMYLOID PRECURSOR PROTEIN DETECTION IN MEMBRANE MACROMOLECULAR COMPLEXES, ISOLATED FROM MOUSE BRAIN CORTEX

Maria Dudau (1), Mariana Frumosu (1), Elena Codrici (2), Ionela Daniela Popescu (2), Simona Mihai (2), Cristiana Tanase (2,3), Radu Albuлесcu (2,4), Ana-Maria Enciu (1,2)
(1) "Carol Davila" University of Medicine and Pharmacology, Bucharest;
(2) "Victor Babeş" National Institute of Pathology, Biochemistry-Proteomics Department, Bucharest, Romania;
(3) Universitatea Titu Maiorescu, Facultatea de Medicina, Bucureşti;
(4) National Institute for Chemical Pharmaceutical R&D, Bucharest, Romania.

10. BIOCOMPATIBILITY ASSESSMENT OF SOME NEW DENTAL ALLOYS DESIGNED TO IMPROVE THE ACUTE AND CHRONIC BIOLOGICAL POST IMPLANT RESPONSE

A. Hudita(1), B. Galateanu(1), M. Serban(1), V. Lavric(1), I. Demetrescu(2), M. Costache(1)
(1) Department of Biochemistry and Molecular Biology, University of Bucharest, Bucharest, Romania;
(2) Department of General Chemistry, University Politehnica of Bucharest, Bucharest, Romania.

11. PROTEOMIC STUDY - A USEFUL TOOL IN CHRONIC KIDNEY DISEASE TREATMENT

Simona Mihai (1), E. Codrici (1), I.D. Popescu (1), A.M. Enciu (1), E. Rusu (2), D. Zilisteanu (2), R. Albuлесcu (1), M. Voiculescu (2), I. Radu (1), G. Anton (3), C. Tanase (1)
(1) Victor Babes National Institute of Pathology, Bucharest, Romania;
(2) Fundeni Clinical Institute, Bucharest, Romania;
(3) St. S. Nicolau Institute of Virology, Bucharest, Romania.

12. MAMMARY “IN SITU” AND INVASIVE DUCTAL CARCINOMA – HER2 STATUS

Anca Florentina Mitroi (1) , Mariana Aschie (1,2,3) , Georgiana Camelia Cozaru (1) , Antonela Anca Nicolau (1) , Gabriela Izabela Baltatescu (1)
(1) Clinical County Emergency SF. Apostol Andrei Constanta;
(2) Ovidius University Constanta;
(3) Romanian Academy of Medical Sciences.

13. INSULIN RESISTANCE AND HYPOVITAMINOSIS D IN NON-DIABETIC YOUNG HIV-SEROPOSITIVES UNDERGOING ANTIRETROVIRAL THERAPY

Raluca Mihăilescu (1), Anca Negru (1,2), Daniela Munteanu(1), Cătălin Tilişcan (1,2), Remulus Catană(1), Cristina Popescu(1,2), Alina Orfanu(1,2), Anca Streinu-Cercel (1,2), Ioan Diaconu (1), Violeta Molagic (1), Victoria Aramă (1,2), Ştefan-Sorin Aramă (2),
(1) Prof. Dr.MateiBaş National Institute for Infectious Diseases, Bucharest;
(2) Carol Davila University of Medicine and Pharmacy, Bucharest.

14. MORPHOLOGICAL AND IMMUNOHISTOCHEMICAL ASPECTS IN "MILK-LINE" NEVI

Antonela Anca Nicolau (1), Mariana Aschie (1,2,3), Manuela Enciu (1,2), Gabriela Izabela Baltatescu (1), Oana Cojocaru (1)

(1) Clinical County Emergency SF. Apostol Andrei, Constanta;

(2) Ovidius University, Constanta;

(3) Romanian Academy of Medical Sciences.

15. LICHENUS PLANUS – MORPHOLOGICAL AND MOLECULAR ASPECTS – CASE REPORT

Ionut Poinareanu (1,2), Mariana Aschie (1,2,3), Anca Florentina Mitroi (2), Anca Chisoi (2), Manuela Enciu (1,2), Oana Cojocaru (2), Alexandra Maiorean (1,2), Georgiana Camelia Cozaru (2)

(1) Ovidius University Constanta;

(2) Clinical County Emergency SF. Apostol Andrei Constanta;

(3) Romanian Academy of Medical Sciences.

16. SERUM PROTEOMIC PROFILE IN PROSTATE CANCER BY SELDI-ToF Mass Spectrometry

Ionela Daniela Popescu (1), E. Codrici (1), S. Miha (1), A.M. Enciu (1,2), R. Albulescu (1,3), A. Preda (4), G. Ismail (4) and C. Tanase (1,5)

(1) Victor Babes National Institute of Pathology, Biochemistry-Proteomics Department, Bucharest, Romania;

(2) Carol Davila University of Medicine and Pharmacy, Cellular and Molecular Medicine Department, Bucharest, Romania;

(3) National Institute for Chemical Pharmaceutical R&D, Bucharest, Romania;

(4) Center of Urological Surgery and Renal Transplantation, Fundeni Clinical Institute, Bucharest, Romania;

(5) Titu Maiorescu University Of Bucharest, Faculty of Medicine, Romania.

17. STEPS TOWARDS A PERSONALIZED PREVENTIVE MEDICINE: POPULATION ALLELIC FREQUENCIES OF CANDIDATE GENES ASSOCIATED WITH GLUCO-LIPIDIC METABOLISM

Ionica Consuel-Severus (1,2), Savu Lorand (1)

(1) Genetic Lab;

(2) "Francisc I Rainer" Institute of Anthropology, Romanian Academy.

18. NON OCCUPATIONAL ETIOLOGIC FACTORS IN SKIN DISCOLORATION. CASE PRESENTATION.

Alexandra Rascu (1), Caterina Pahomi (1), Olguta Orzan (2), Calin Giurcaneanu (2), Agripina Rascu (3)

(1) Emergency University Hospital "Elias";

(2) University of Medicine and Pharmacy "Carol Davila", Emergency University Hospital "Elias";

(3) University of Medicine and Pharmacy "Carol Davila", Colentina Hospital, Clinic of Occupational Diseases.

19. GLYCOSYLATION MODULATES TRANSIENT RECEPTOR POTENTIAL CHANNELS IN PANCREATIC CANCER

Roxana Ulareanu (1), Gabriela Chiritoiu (2), Alexandru Deftu (1), Violeta Ristoiu (1), Simona Dima (3), Irinel Popescu (3), Dana Cucu (1)

(1) University from Bucharest, Faculty of Biology, Department of Anatomy, Physiology, and Biophysics;

(2) Clinical Institute Fundeni, Bucharest, Romania;

(3) Institute of Biochemistry, Bucharest, Romania.

20. EVALUATION OF TISULAR TUMOR ANGIOGENESIS IN HUMAN HEPATOCELLULAR CARCINOMA

Laura Georgiana Necula (1,2,3), Ana Iulia Neagu (1,2), Radu Albulescu (1,3,4), Catalin Pecheanu (1), Elena Stoica Mustafa (1), Vlad Herlea (1), Simona Dima (5), Cristiana Tanase (1,3), Irinel Popescu (5)

(1) Titu Maiorescu University, Bucharest, Romania;

(2) Stefan S. Nicolau Institute of Virology, Bucharest, Romania;

(3) Victor Babeş National Institute of Pathology, Bucharest, Romania;

(4) National Institute for Chemical Pharmaceutical Research & Development, Bucharest, Romania ;

(5) Department of Pathology, Center of General Surgery and Liver Transplantation, Fundeni Clinical Institute, Bucharest, Romania.

21. PROTEOMIC STRESS INDUCED BY TNF ON HUMAN PANCREATIC ADENOCARCINOMA CELL LINE (BxPC-3)

Luminita Ivan (1), Elena Uyy (1), Raluca Boteanu (1), Viorel Suica (1), Simona Dima (2), Irinel Popescu (2), Maya Simionescu (1), Felicia Antohe (1)

(1) Institute of Cellular Biology and Pathology “N. Simionescu” of the Romanian Academy, Bucharest, Romania;

(2) Clinical Institute Fundeni, Bucharest, Romania.

22. MUTATIONAL SPECTRUM OF DMD GENE AND nNOS EXPRESSION

Gisela Gaina (1,2), Emilia Manole (2), Elena Ionica (1)

(1) Department of Biochemistry and Molecular Biology, University of Bucharest;

(2) INCDB, Victor Babes, Bucharest.

23. GENE POLYMORPHISMS INVOLVED IN GASTRIC CANCER

Florescu Dan Nicolae, Dan Ionuț Gheonea, Tudorel Ciurea

Department of Internal Medicine, Emergency County Hospital Craiova, Romania

Research Center of Gastroenterology and Hepatology, University of Medicine and Pharmacy Craiova, Romania

24. THE STUDY OF COLORECTAL CANCER STEM CELLS USING THE CONFOCAL LASER ENDOMICROSCOPY

Irina Florina Cherciu, Ion Rogoveanu, Adrian Saftoiu

Department of Internal Medicine, Emergency County Hospital Craiova, Romania Research Center of Gastroenterology and Hepatology, University of Medicine and Pharmacy Craiova, Romania

25. ELTD1, A CANDIDATE BIOMARKER AND THERAPEUTIC TARGET IN GLIOBLASTOMA

Stefan-Alexandru Artene(1), Florentina Serban(1), Oana Stefana Purcaru(1), Daniela Elisa Tache(1), Oana Daianu(1), Ligia Gabriela Tataranu(2), Vasile Ciubotaru(2) and Anica Dricu(2)

(1) Department of Biochemistry, University of Medicine and Pharmacy of Craiova, Craiova, Romania;

(2) Department of Neurosurgery, “Bagdasar–Arseni” Emergency Hospital, Bucharest, Romania.

26. MARKERS OF HEPATITIS B VIRUS INFECTION IN PEOPLE WHO INJECT DRUGS

Irina Ianache(1), Cristiana Oprea(1,2), Adelina Rosca(2,3), Claudia Dita(3), Camelia Grancea(3), Camelia Sultana(2,3), Petre Calistru(1,2), Emanoil Ceausu(1,2), Simona Ruta(2,3)

(1) “Victor Babes” Clinical Hospital for Infectious and Tropical Diseases, Bucharest, Romania;

(2) “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania;

(3) “Stefan S. Nicolau” Institute of Virology, Bucharest, Romania.

27. CORRELATIONS BETWEEN IMMUNOPHENOTYPE AND GENETIC ABNORMALITIES IN ACUTE LEUKEMIAS

Horia Bumbea (1), Ion Dumitru (1), Aura Arghir (2), Mihaela Papuc (2), Eugen Radu (1), Dan Sebastian Soare (1)

(1) Emergency University Hospital, Clinic of Hematology ;

(2) “Victor Babes” National Institute of Pathology and Biomedical Research, Bucharest, Romania, Laboratory of Medical Genetics.



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