

THE CROATIAN ACADEMY OF SCIENCES AND ARTS
The Department of Clinical and Transplantation Immunology and
Molecular Medicine in Rijeka

UNIVERSITY OF RIJEKA
Department of Biotechnology

Faculty of Medicine

Faculty of Law

JEAN MONNET INTER - UNIVERSITY CENTRE OF EXCELLENCE OPATIJA

THE CROATIAN MEDICAL ASSOCIATION – Branch office Rijeka

17th Symposium

COMPREHENSIVE APPROACH TO
PERSONALIZED MEDICINE

Medical, Legal and Economic Implications for
Croatian Healthcare System

Rijeka – Opatija, November 10th-11th, 2016



November 10th, 2016

9:30

University Campus Rijeka, University Departments, Lecture Hall 0-030,
Radmile Matejčić 2, Rijeka

Information

Željana Mikovčić, Department of Clinical and Transplantation Immunology and
Molecular Medicine, Radmile Matejčić 2, Rijeka

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Scientific Committee

Daniel Rukavina, president

Nada Bodiroga - Vukobrat, Krešimir Pavelić, Bernd Baron Von Maydell

Organizing Committee

Nada Bodiroga - Vukobrat, president

Krešimir Pavelić, Marija Kaštelan Mrak, Gordan Gulan

Registration: 8:30 – 9:30

Participants who want a certificate from the Croatian Medical Chamber need to register on the day of the symposium.

Lunch and refreshments during break will be provided free of charge.

Parking is free and provided in the building of the Student Center Rijeka (Radmile Matejčić 5)

P R O G R A M

OPENING

(9:30 – 10:00)

Introduction

Daniel Rukavina, Head, Dept. Clinical & Transpl. Immunol. and Molecular Medicine, Croatian Academy of Sciences and Arts, Rijeka, Croatia

Welcome speeches

Davor Štimac, M.D., PhD., Professor, Head of the Clinical Hospital Center Rijeka, Rijeka, Croatia

Tomislav Rukavina, M.D., PhD., Professor, Dean of the Medical Faculty, Rijeka, Croatia

Eduard Kunštek, PhD., Professor, Dean of the Faculty of Law, Rijeka, Croatia

Pero Lučin, M.D., PhD., Professor, Rector of the University of Rijeka, Rijeka, Croatia

10:00 – 11:00

I. PROMOTION OF THE BOOK
PERSONALIZED MEDICINE : A NEW MEDICAL AND SOCIAL CHALLENGE

Publisher: Springer, Berlin - New York, 2016.

Editors:

Bodiroga-Vukobrat, N., Rukavina, D., Pavelić, K. and Sander, G.G.

The book will present:

Reviewer:

Hans – Peter Zenner, M.D., PhD., Professor, Medical Faculty, University of Tübingen, Tübingen, Germany,

Editors:

Nada Bodiroga - Vukobrat, PhD., Professor, Faculty of Law, University of Rijeka, Rijeka Croatia

Krešimir Pavelić, M.D., PhD., Professor, Department of Biotechnology, University of Rijeka, Rijeka, Croatia

11:00 – 11:45

II. PERSONALIZED MEDICINE – MEDICAL ASPECTS

Chairman: Daniel Rukavina

Keynote lecture:

Hans - Peter Zenner, M.D., PhD., Professor, Medical Faculty, University of Tübingen, Germany

Personalized medicine: German experience

Coffee break: 11:45 – 12:15

12:15 – 14:15

Chairmen: Krešimir Pavelić and Sonja Pavlović

John Hopkins, MSc., Waters Corporation, Manchester, United Kingdom and Department of Biotechnology, University of Rijeka, Rijeka, Croatia

Mass spectrometry in personalized diagnostic

Đuro Josić, PhD., Professor, Department of Biotechnology, University of Rijeka, Rijeka, Croatia
Implementation of proteomics in personalized medicine

Paola Roncada, PhD., Associate Professor, Department of Veterinary Medical Sciences, University of Milano, Milano, Italy

Biofilm in *S. aureus* and changes in proteome profile

Sonja Pavlović, PhD., Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia

Pharmacogenomics of acute leukemia in children: a path to personalized medicine

Lunch with a panel of speakers: 14:15 – 15:00

15:00 – 16:30

Chairmen: Sandra Kraljević Pavelić and Đuro Josić

Antonio Starčević, PhD., Associate Professor, Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia

Laboratory grown microbiome

Darko Polšek, PhD., Professor, Faculty of Philosophy, University of Zagreb, Zagreb, Croatia

Personalized medicine, cognitive enhancement and future eugenics

Ingrid Belac Lovasić, M.D., PhD. Clinical Hospital Center Rijeka and Medical Faculty of the University of Rijeka, Rijeka, Croatia; **Franjo Lovasić**, M.D., PhD., Clinical Hospital Center Rijeka and Medical Faculty of the University of Rijeka, Rijeka, Croatia

The targeted treatment of breast cancer

November 11th, 2016

9:30

Location: Vila Antonio, Vladimira Nazora 2, Opatija

III. PERSONALIZED MEDICINE – ECONOMIC AND LEGAL ASPECTS

Welcome speech

Ivo Dujmić, Mayor of Opatija, Opatija

9:40 – 11:15

Chairmen: Bernd Baron von Maydell and Marija Kaštelan Mrak

Bernd Baron Von Maydell, PhD., Professor Emeritus, Max Planck Institute for Social Law and Social Policy, München, Germany; **Boris Von Maydell**, Verband der Ersatzkasse e.V. Berlin, Germany

Personalized medicine and system of social security

Nada Bodiroga - Vukobrat, PhD., Professor, Faculty of Law, University of Rijeka, Rijeka Croatia; **Hana Horak**, PhD., Professor, Faculty of Economics and Business, University of Zagreb, Croatia

Regulatory possibilities and obstacles in new health technologies - disclosure of data and new diseases

Maks Tajnikar, PhD., Professor, Faculty of Economics, University of Ljubljana, Slovenia; **Petra Došenović Bonča**, PhD., Assistant Professor, Faculty of Economics, University of Ljubljana, Slovenia

Macroeconomic environments and the development of personalized medicine

Franco Becchis, Professor, Scientific Director, Fondazione per l'Ambiente, Turin School of Local Regulation, Turin, Italy

Mechanism design and local regulation: the case of welfare and aid policies

Coffee break: 11:15 – 11:30

11:30 – 12:20

Chairmen: Boris von Maydell and Nada Bodiroga Vukobrat

Nenad Vretenar, PhD., Assistant Professor, Faculty of Economics, University of Rijeka, Croatia; **Jelena Jardas Antonić**, PhD., Assistant Professor, Faculty of Economics, University of Rijeka, Croatia

Actuarial challenges in personalized medicine

Davor Mance, PhD., Faculty of Economics, University of Rijeka, Croatia;
Diana Mance, PhD, Department of Physics, University of Rijeka, Rijeka, Croatia;
Dinko Vitezić, M.D., PhD., Professor, Faculty of Medicine, University of Rijeka, Rijeka, Croatia

Personalized medicine and personalized pricing: four degrees of price discrimination

Marija Kaštelan Mrak, PhD., Professor, Faculty of Economics, University of Rijeka, Croatia; **Danijela Sokolić**, PhD., Assistant Professor, Faculty of Economics, University of Rijeka, Croatia

Evolution paths of business models in personalized medicine

Lunch with a panel of speakers: 12:20 – 13:15

13:15 – 14:45

Chairmen: Hana Horak and Danijela Sokolić

Adrijana Martinović, PhD., Faculty of Law, University of Rijeka, Rijeka, Croatia
Health care and EU law: the role of solidarity?

Ana Pošćić, PhD, Assistant Professor, Faculty of Law, University of Rijeka, Rijeka, Croatia

Antitrust issues in the European pharmaceutical market – the latest developments

Ivana Kunda, PhD, Associate Professor, Faculty of Law, University of Rijeka, Rijeka, Croatia

Intellectual property issues in medical application of 3D printing

Mijo Božić, PhD., LL.M, University of applied sciences Ludwigsburg, Ludwigsburg, Germany

The legal framework for genetic testing in the workplace in Germany

Matija Miloš, LL.M, Faculty of Law, University of Rijeka, Rijeka, Croatia
Contextualizing bodily privacy in preimplantation genetic testing procedures

Vanja Smokvina, PhD., Assistant Professor, Faculty of Law, University of Rijeka, Rijeka, Croatia

Doping in sports: legal and other aspects

IV. CLOSING REMARKS : Nada Bodiroga - Vukobrat

The symposium is supported by the **Croatian Science Foundation project no. IP-2013-11- 5709** „Perspectives of maintaining the social state: towards the transformation of social security systems for individuals in personalized medicine“ and **Hanns-Seidel-Stiftung**.

