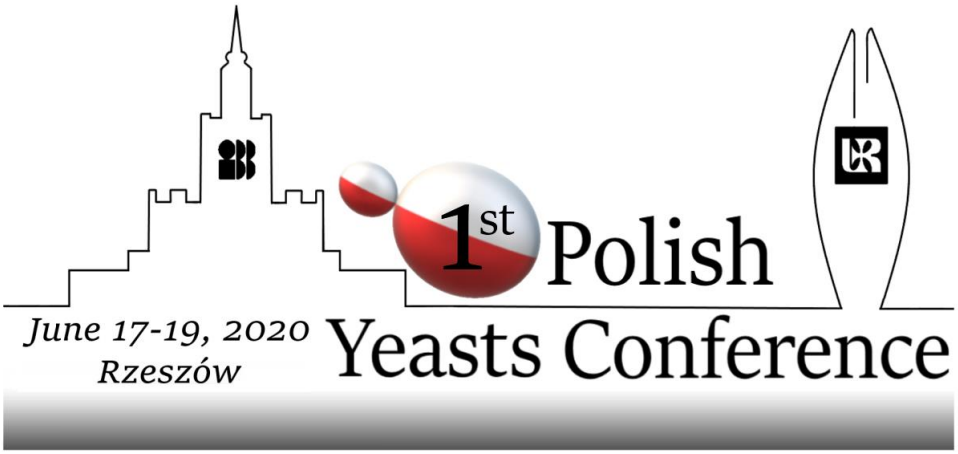

1st Polish Yeast Conference, Rzeszow

June 17-19, 2020 (Wednesday - Friday)

Day 1 (June 17)

9.00 – 16.00 **Registration**

13.00 – 13.15 **Opening Ceremony**

Andriy Sibirny – Head of the Conference Organizing Committee

Sylwester Czopek – Rector of the University of Rzeszow

Roza Kucharczyk – Deputy Director of General Affairs of Institute of Biochemistry and Biophysics, Polish Academy of Sciences

Hiroshi Takagi – Chair of International Commission on Yeasts

Terrance G. Cooper – Secretary of the Financial and Policy Committee of the International Yeast Research Community

Grzegorz Wegrzyn – Polish Academy of Sciences

13.15 – 14.00 **Keynote Lecture 1**

Eckhard Boles, Goethe University Frankfurt/Main, Germany

Engineering sugar transporters for efficient xylose transport and fermentation

14.00 – 15.30 **Session 1 Yeast cell biology and transport**

Chairs: Renata Zadrag-Tecza, University of Rzeszow, Rzeszow

Ewa Maciaszczyk-Dziubinska, University of Wroclaw, Wroclaw

14.00 – 14.15 **Michal Malecki,** University of Warsaw, Warsaw

Mitochondrial respiration is required for amino-acid homeostasis during fermentative proliferation of fission yeast

14.15 – 14.30 **Marek Skoneczny**, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw

Which way to peroxisomes? Expanding the inventory

14.30 – 14.45 **Renata Zadrag-Tecza**, University of Rzeszow, Rzeszow

Cell size implications of reproductive capacity of the yeast cells

14.45 – 15.00 **Zbigniew Lazar**, Wroclaw University of Environmental and Life Sciences, Wroclaw

Identification and characterization of sugar transporters in *Yarrowia* yeast

15.00 – 15.15 **Marcin Lukaszewicz**, University of Wroclaw, Wroclaw

Interplay between transporters, plasma membrane and cell wall

15.15 – 15.30 **Marta Semkiv**, Institute of Cell Biology, NAS of Ukraine, Lviv,

Autophagic degradation of cytosolic proteins in the methylotrophic yeast *Komagataealla phaffii*

15.30 – 16.00 **Coffee break**

16.00 – 17.30 **Session 2 Sensing, signalling and stress response**

Chairs: Maciej Wnuk, University of Rzeszow, Rzeszow

Marek Skoneczny, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw

16.00 – 16.30 **Terrance G. Cooper,** University of Tennessee Health Science Center, Memphis, Tennessee, USA

Multivariant control of Gln3 localization and nitrogen catabolite repression-sensitive transcription

16.30 – 16.45 **Jennifer Tate,** Tennessee Health Science Center, Memphis, Tennessee, USA

N-terminal Gln3 phosphorylation/dephosphorylation in the control of Gln3 localization

16.45 – 17.00 **Kamilla Bakowska-Zywicka,** Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan
Emerging functions of ribosome-associated noncoding RNAs during stress response in *Saccharomyces cerevisiae*

17.00 – 17.15 **Krzysztof Liberek,** University of Gdansk, Gdansk
Yeast chaperones in refolding of proteins from aggregates

17.15 – 17.30 **Malgorzata Adamczyk,** Warsaw University of Technology, Warsaw
New role of RNA polymerase III in shaping metabolic network activity and stress response in *Saccharomyces cerevisiae*

17.30 – 19.00 **Session 3 Genetic Control of Cellular Processes**

Chairs: Marek Tchorzewski, Maria Curie-Sklodowska University in Lublin, Lublin
Kamilla Bakowska-Zywicka, Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan

17.30 – 17.50 **Marek Tchorzewski**, Maria Curie-Sklodowska University in Lublin, Lublin
The influence of ricin-mediated rRNA depurination on the translational machinery using *Saccharomyces cerevisiae* as experimental model

17.50 – 18.05 **Markus J. Tamas,** University of Gothenburg, Gothenburg, Sweden
Metals cause protein misfolding and aggregation

18.05 – 18.20 **Ulrike Topf,** Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw
Crosstalk between mitochondria and cytosolic translation machinery

18.20 – 18.30 **Magdalena Cal**, University of Wroclaw, Wroclaw
Yeast *S. cerevisiae* as an eukaryotic model to study cell response to potential drugs

18.30 – 18.40 **Iwona Migdal,** University of Wroclaw, Wroclaw
The role of MAPK kinase Hog1 in the cell cycle regulation during arsenic stress

18.40 – 18.50 **Dorota Rzechonek**, Wroclaw University of Environmental and Life Sciences, Wroclaw
Regulation of erythritol utilisation in *Yarrowia lipolytica*

18.50 – 19.00 **Piotr Hapeta**, Wroclaw University of Environmental and Life Sciences, Wroclaw

The analysis of sugar and glycerol metabolism in the yeast *Yarrowia lipolytica*

19.00 – 21.30 **Poster Session + Get-together Party**

Day 2 (June 18)

9.00 – 10.30 **Session 4 Genome maintenance**

Chairs: Adrianna Skoneczna, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw

Robert Wysocki, University of Wroclaw, Wroclaw

9:00 – 9:20 **Adrianna Skoneczna,** Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw

Vesicular trafficking link to genome stability

9:20 – 9:40 **Dorota Dziadkowiec,** University of Wroclaw, Wroclaw

The role of yeast SWI2/SNF2 DNA dependent translocases in genome stability maintenance

9:40 – 10:00 **Pawel Golik,** University of Warsaw, Warsaw

Yeast models of human mitochondrial DNA maintenance disorders

10:00 - 10:15 **Robert Wysocki,** University of Wroclaw, Wroclaw

Identification of new cohesin interactors in yeast

10:15 – 10:30 **Michal Dmowski**, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw

Contribution of non-catalytic subunits of the helicase-polymerase complex to the maintenance of genome stability in yeast

10.30 – 11.00 **Coffee break**

11.00-12.30 **Session 5 Yeast as a model of human diseases and drug testing**

Chairs: Teresa Zoladek, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw

Roza Kucharczyk, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw

11.00 – 11.30 **Jean-Paul di Rago,** University of Bordeaux, Bordeaux, France
Yeast as a system for modelling mitochondrial disease mechanisms and discovering therapies

11.30 – 11.45 **Roza Kucharczyk,** Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw
Mechanisms of ATP synthase defects due to mutations in mitochondrial *ATP6* gene - yeast studies

11.45 – 12.00 **Joanna Kaminska,** Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw
Helpful yeasts - how to find therapy for patients with Vps13 proteins deficit?

12.00 – 12.15 **Weronika Rzepnikowska,** Mossakowski Medical Research Centre Polish Academy of Sciences, Warsaw
Pathogenic effect of the CMT4A disease causing *GDAP1* mutations in a yeast model

12.15 – 12.30 **Monika Staniszewska,** Warsaw University of Technology, Warsaw
New trends in search for antifungal therapies

12.30 – 13.30 **Lunch**

13.30 – 15.00 **Session 6 Yeast biodiversity and evolution**
Chairs: Ryszard Korona, Jagielonian University, Cracow
Jaroslaw Marszalek, University of Gdansk, Gdansk

13.30 – 13.45 **Lubomir Tomaska,** Comenius University in Bratislava, Slovakia
A runaway evolution of telomeres in ascomycetous yeasts

13.45 – 14.00 **Jaroslaw Marszalek**, Intercollegiate Faculty of Biotechnology, University of Gdansk and Medical University of Gdansk
Evolutionary biochemistry of yeast Hsp70 system involved in biogenesis of iron-sulfur clusters

14.00 – 14.15 **Szymon Kaczanowski**, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw
Yeast as a model of evolution of apoptosis

14.15 – 14.30 **Dominika Wloch-Salamon**, Jagiellonian University, Cracow
Yeast lines selected for non-quiescence show increased protein content

14.30 – 14.45 **Katarzyna Tomala**, Institute of Environmental Sciences, Jagiellonian University, Cracow
Negative correlation between gene expression and polymorphism density in yeast populations

14.45 – 15.00 **Marcin Plech**, Molecular, Genetic and Population Health Sciences, University of Edinburgh, United Kingdon
Deep mutational scanning of human mendelian disease genes in yeast

15.30 – 18.00 **Rzeszow Walking City Tour**

18.00 – 23.00 **Banquet**

Day 3 (June 19)

8.30 – 9.15 **Keynote Lecture 2**
Johan Thevelein, Catholic University Leuven, Belgium
Nutrient sensing and singling in yeast

9.15 – 10.45 **Session 7 Yeast Biotechnology**

Chairs: Ewelina Celinska, Poznan University of Life Sciences, Poznan
Zbigniew Lazar, Wroclaw University of Environmental and Life Sciences, Wroclaw

9.15 – 9.45 **Hiroshi Takagi**, Nara Institute of Science and Technology, Japan
Proline new science and technology in yeast

9.45 – 10.00 **Wojciech Bialas**, Poznan University of Life Sciences, Poznan
Pilot-scale yeast fermentation systems: practical and economical aspects

10.00 – 10.15 **Adam Dobrowolski**, Wroclaw University of Environmental and Life Sciences, Wroclaw
Waste materials as a feedstock for yeast *Yarrowia lipolytica*

10.15 – 10.30 **Young-Kyoung Park**, Micalis Institute, INRA, AgroParisTech, Université Paris-Saclay, Jouy-en-Josas, France
Metabolic engineering of *Yarrowia lipolytica* for the production of odd-chain fatty acids

10.30 – 10.45 **Andriy Sibirny**, University of Rzeszow, Rzeszow

Non-conventional yeasts as promising producers of 2nd generation ethanol

10.45 – 11.15 **Coffee break**

11.15 – 12.45 **Session 7 Yeast Biotechnology (continued)**

Chairs: Aleksandra Mironczuk, Wroclaw University of Environmental and Life Sciences, Wroclaw

Justyna Ruchala, University of Rzeszow, Rzeszow

11.15 – 11.30 **Ewelina Celinska**, Poznan University of Life Sciences, Poznan

Heterologous genes expression in *Yarrowia lipolytica*

11.30 – 11.45 **Patrick Fickers**, Liege University, Liege, Belgium

Erythritol metabolism: from fundamental research to biotech application

11.45 – 12.00 **Milan Certik**, Slovak University of Technology, Brtislava, Slovakia

Yarrowia lipolytica as a platform for production of tailor-made lipids

12.00 – 12.15 **Katarzyna Kosiorowska**, Wroclaw University of Environmental and Life Sciences, Wroclaw

Plastic degradation by engineered yeast

12.15 – 12.25 **Justyna Ruchala**, University of Rzeszow, Rzeszow

Construction of the recombinant yeasts *Komagataella phaffii* and *Candida famata* producing bacterial antibiotics aminoriboflavin and roseoflavin

12.25 – 12.35 **Paulina Korpys-Wozniak**, Poznan University of Life Sciences, Poznan

Heterologous protein production in *Yarrowia lipolytica* continuous cultures

12.35 – 12.45 **Edyta Majewska**, Lodz University of Technology, Lodz

Cold-adapted yeasts - the source of valuable biomolecules

12.45 – 13.45 **Lunch**

13.45 – 15.15 **Session 8 Pathogenic and probiotic yeasts**

Chairs: Monika Staniszewska, Warsaw University of Technology, Warsaw

Maria Rapala-Kozik, Jagielonian University, Cracow

13.45 – 14.00	**Maria Rapala-Kozik**, Jagiellonian University, Cracow Living together - the role of *Candida albicans* in the formation of polymicrobial biofilm
14.00 – 14.15	**Justyna Karkowska-Kuleta**, Jagiellonian University, Cracow The host put up against the pathogen's wall - the function of surface-exposed *Candida* molecules
14.15 – 14.25	**Marcin Zawrotniak**, Jagiellonian University, Cracow Neutrophil responses to fungal infections
14.25 – 14.35	**Maciej Maslyk**, The John Paul II Catholic University of Lublin, Lublin In search of effective anti-*Candida albicans* agents
14.35 – 14.45	**Monika Kordowska-Wiater**, University of Life Sciences, Lublin Application of *Saccharomyces cerevisiae var. boulardii* in probiotic food - study on legume sprouts
14.45 – 15.00	**Malgorzata Cytrynska**, Maria Curie-Sklodowska University, Lublin Close encounters of *Candida albicans* with different antimicrobial peptides and proteins
15.00 – 15.15	**Dorota Kregiel**, Lodz University of Technology, Lodz Enzymatic profiles and antifungal activity of *Metschnikowia* sp. isolates
15.15 – 15.45	**Oral presentations of the best poster presenting authors (young scientists PhD/postdocs < 35yo.)**
15.45 – 16.00	**Best Poster Awards. Closing Ceremony**