

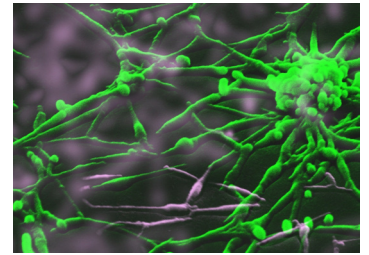
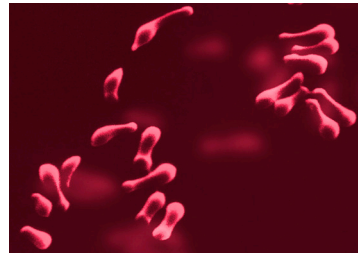
## International Mycoplasma Symposium

**Mycoplasmas:** From Basic Research to Diagnostic, Preventive and Regulatory Applications – A Review of Selected Highlights over the Past 25 Years

Farewell Symposium Professor Renate Rosengarten

**30 September & 01 October 2022**

The Ritz-Carlton, Vienna  
Schubertring 5-7, 1010 Vienna



### Programme

#### Friday, 30 September 2022

17:00 – 19:30 **Welcome Reception**  
Atmosphere Rooftop Bar  
The Ritz-Carlton, Vienna, Schubertring 5-7, 1010 Vienna

#### Saturday, 01 October 2022

09:00 – 09:25 **Welcome Coffee/Tea**

09:25 – 09:40 **Introduction & Conference Overview**  
**Renate Rosengarten**  
*An Exciting Life as a Mycoplasmatologist – Unforgettable Moments with Fascinating Bacteria*

09:40 – 09:45 **Welcome Address on Behalf of the University of Veterinary Medicine, Vienna**  
**Petra Winter, Rector**

#### The Many Faces and Extraordinary Biological Properties of Mycoplasmas – Success Stories of a Unique Group of Bacteria

09:45 – 11:00 **Session 1 – Moderation: Rohini Chopra-Dewasthaly**  
**The Molecular Tools and Tricks of Mycoplasmas as Minimalist Bacterial Pathogens**

09:45 – 10:10 **Kim Wise**, J. Craig Venter Institute, La Jolla, CA, USA  
*Mycoplasmas as Model of Living Minimal Cells to Understand the Minimal Requirements for Life*

10:10 – 10:35 **Christine Citti**, INRA, University of Toulouse, France  
*Pathogenic Mycoplasmas: Dealing with a Small Genome and Being Successful*

10:35 – 11:00 **Rohini Chopra-Dewasthaly**, University of Veterinary Medicine, Vienna, Austria  
*The Molecular Hide-and-Seek of Pathogenic Mycoplasmas – How Mycoplasmas Outsmart Host Defenses*

11:00 – 11:30 **Morning Coffee/Tea Break**

**11:30 – 12:45 Session 2 – Moderation: Michael Szostak**  
**Intriguing Cellular and Molecular Peculiarities Making Mycoplasmas the Smallest Most Sophisticated Bacteria**

11:30 – 11:55 **Duncan Krause**, University of Georgia, Athens, GA, USA  
*The Attachment Organelle of Pathogenic Mycoplasmas – How Mycoplasmas Adhere to Host Cells*

11:55 – 12:20 **Makoto Miyata**, Osaka City University, Japan  
*Mycoplasma Motility – How Mycoplasmas ‘Learned’ to Move*

12:20 – 12:45 **Michael Szostak**, University of Veterinary Medicine, Vienna, Austria  
*Mycoplasma Host Cell Invasion – How Mycoplasmas Hide Inside Host Cells and Spread during Infection and Disease*

12:45 – 14:00 **Buffet Lunch**

**Mycoplasmas as Important Agents of Human and Animal Disease and as Notorious Contaminants in Biopharmaceutical Processing**

**14:00 – 15:30 Session 3 – Moderation: Joachim Spergser**  
**Strategies for Mycoplasma Diagnostics, Disease Prevention and Control – Yesterday, Today and Tomorrow**

14:00 – 14:25 **Mary Brown**, University of Florida, FL, USA  
*The Changed Image of Mycoplasmas from ‘Bacteriologic Curiosities’ and ‘Harmless Bystanders’ to Diagnostically and Therapeutically Relevant Infectious Agents in Humans and Animals*

14:25 – 14:50 **Steven Geary**, University of Connecticut, Storrs, CT, USA  
*Prevention of Mycoplasma Diseases in Poultry and Livestock – The Challenges in the Development of Improved Next-Generation Vaccines*

14:50 – 15:10 **Inna Lysnyansky**, Kimron Veterinary Institute, Bet Dagan, Israel  
*Mycoplasma bovis as Model for Therapy-Resistant Mycoplasma Diseases in Livestock*

15:10 – 15:30 **Joachim Spergser**, University of Veterinary Medicine, Vienna, Austria  
*Emerging and Re-Emerging Mycoplasma Infections in Animals – The Benefits of Newly Implemented Molecular-Epidemiological Methods in Identification of Superspreading Clonal Lineages*

15:30 – 16:00 **Afternoon Coffee/Tea Break**

**16:00 – 16:45 Session 4 – Moderation: Renate Rosengarten**  
**Mycoplasma Contamination Control of Biopharmaceuticals and Cell & Gene Therapy Products – Current Regulations, Challenges and Trends**

16:00 – 16:20 **Helena Windsor**, Mycoplasma Experience, Bletchingley, Surrey, UK  
*The Hidden Menace – How to Make ‘Non-Cultivable’ Mycoplasmas Detectable*

16:20 – 16:45 **Micha Nübling**, Paul-Ehrlich-Institut, Langen, Germany  
*New Approaches for In-Process Controls and Product Release – An Obligation to Scientific Accuracy in the Quality Assessment, Validation and Control of NAT-Based Mycoplasma Detection Methods*

16:45 – 17:00 **Concluding Remarks & Outlook**  
**Rohini Chopra-Dewasthaly, Joachim Spergser & Michael Szostak**  
*Mycoplasma – From Earlier Niche Research to an Important Research Field within the Area of Microbiology to Further Understand the Important and Central Position of Mycoplasmas among the Pathogenic Bacteria*

17:00 – 17:30 **Farewell Cocktail**