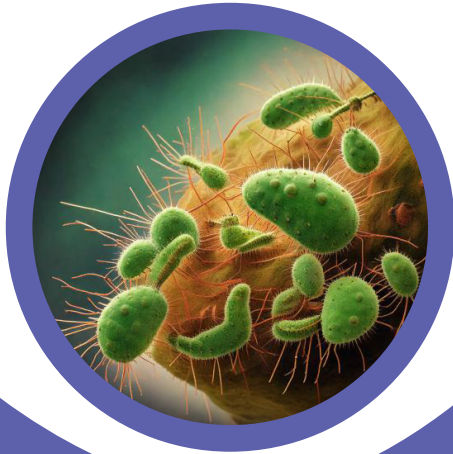


Tentative Program



2nd International Conference on

Streptococcal Infections

March 25-26, 2025 | Virtual

Time zone: Eastern Time (USA)

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PANDAS Network is dedicated to improving the diagnosis and treatment of children with PANDAS (Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections) and PANS (Pediatric Acute-Onset Neuropsychiatric Syndrome). We work with an international network of doctors, researchers and scientists, over 30,000 families worldwide who have been seen for PANDAS/PANS and we provide critical support for families to better inform parents and the medical community about these devastating and commonly misunderstood disorders.

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09:00 - 09:05 **Welcome & Introductory Remarks**

Session Chair: **Madeleine W Cunningham**, University of Oklahoma Health Sciences Center, OK, USA

09:05 - 09:35 **Martina Sanderson-Smith**, University of Wollongong, Australia
Saliva and Streptococcus pyogenes: Molecular Insights from a Human Model of Pharyngitis

09:35 - 10:05 **Jose A Lemos**, University of Florida, FL, USA
Therapeutic Potential of a Unique P-type ATPase that Protects *Streptococcus mutans* from Zinc Intoxication

10:05 - 10:35 **Melanie A Hamon**, Pasteur Institute, France
Mechanisms of Pneumococcus-Induced Histone Modifications

10:35 - 11:05 **Greg Tyrrell**, The University of Calgary, Canada
Epidemiology of Strep A Disease in Alberta, Canada

11:05 - 11:15 **"CHROMagar™" Sponsor - Presentation**

11:15 - 11:25 **Break**

Session Chair: **Chandra Michelle Menendez**, University of Oklahoma Health Sciences Center, OK, USA

11:25 - 11:55 **Madeleine W Cunningham**, University of Oklahoma Health Sciences Center, OK, USA
Pathogenesis and Potential Biomarkers in Rheumatic Fever and Rheumatic Heart Disease

11:55 - 12:25 **Lisa Moore**, SRI International, CA, USA
New BioCyc Bioinformatics Tools for your Streptococcal Research

12:25 - 12:55 **Jorge E Vidal**, The University of Mississippi Medical Center, MS, USA
Mechanisms of Pneumococcus-Induced Histone Modifications

12:55 - 13:25 **Natalia Korotkova**, University of Kentucky, KY, USA
Mechanism and Function of Cell Wall Modifications in *Streptococcus mutans*

13:25 - 13:35 **"Pandas Network" Sponsor - Presentation**

13:35 - 13:45 **Break**

Session Chair: **Elodie Burlet**, VaxForm, LLC, PA, USA

13:45 - 14:15 **Chandra Michelle Menendez**, University of Oklahoma Health Sciences Center, OK, USA
Differentiating and Understanding Group A Streptococcal Sequelae: From Rheumatic Fever to Neurological Disorders

14:15 - 14:45 **Jens Kreth**, Oregon Health & Science University, OR, USA
Let's Fuse - *Streptococcus sanguinis* and Membrane Vesicles in Oral Microbial Ecology

14:45 - 15:15 **Constance Schultsz**, Amsterdam UMC, Netherlands
Zoonotic Potential of *Streptococcus suis*

15:15 - 15:35 **Break**

Session Chair: **To be updated**

15:35 - 16:05 **Hannah Frost**, Murdoch Children's Research Institute, Australia
Multiomic Signature of Human Pharyngitis: Insights into Immunity from the Controlled Human Infection Model

- 16:05 - 16:35 **Jacqueline Abranches**, University of Florida, FL, USA
***Streptococcus mutans*-*C. albicans* Interactions Beyond the Biofilm Matrix**
- 16:35 - 17:05 **Elodie Burlet**, VaxForm, LLC, PA, USA
Development of a Bivalent Vaccine for Group A Streptococcus: Striking a Balance between Affordability and Broad Protection
- 17:05 - 17:35 **Manisha Pandey**, Griffith University, Australia
Prophylactic and Therapeutic Efficacy of Synthetic Peptide Vaccine Candidates against Streptococcal Superficial and Invasive Infections
- 17:35 - 18:05 **Jason W Rosch**, St Jude Children's Research Hospital, TN, USA
New Insights into Viral-Streptococcal Synergies During Infection

18:05 **Day-1 Closing Remarks**

Join Zoom Live Stream

Meeting ID: 00000000

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09:00 - 09:05 **Welcome**

Session Chair: **Mariela Segura**, University of Montreal, Canada

09:05 - 09:35 **Alma Fulurija**, University of Western Australia, Australia
TBA

09:35 - 10:05 **Debra E Bessen**, New York Medical College ,NY, USA
Population Biology of Group A Streptococci: Tissue Tropisms and Antibiotic Resistance

10:05 - 10:35 **Tom Parks**, Imperial College London, United Kingdom
Immunoglobulin and Complement in Rheumatic Heart Disease

10:35 - 11:05 **Carlos J Orihuela**, University of Alabama at Birmingham, AL, USA
Help I have Holes in my Heart! Dissecting the Molecular Basis of Cardiac Damage During Invasive Pneumococcal Disease

11:05 - 11:25 **Break**

Session Chair: **Debra E Bessen**, New York Medical College ,NY, USA

11:25 - 11:55 **Claire E Turner**, University of Sheffield, United kingdom
Genetic Diversity of *Streptococcus pyogenes*

11:55 - 12:25 **Nina van Sorge**, Amsterdam UMC, Netherlands
The Rise and Fall of iGAS: from Epidemiological Observations to Interventions

12:25 - 12:55 **Asmaa Tazi**, University Paris Cité /Institut Cochin, France
Group B Streptococcus Intestinal Colonisation in Neonates, Insights from a Prospective Cohort Study

12:55 - 13:15 **Break**

Session Chair: To be updated

13:15 - 13:45 **Mariela Segura**, University of Montreal, Canada
***Streptococcus suis* Interactions with B lymphocytes: Uncovering the Role of IgM**

13:45 - 14:15 **Wei Sun**, Albany Medical College, NY, USA
Bacterial Vesicle-based Pneumococcal Vaccine against Respiratory *Streptococcus pneumoniae* Superinfection

14:15 - 14:45 **Marcus Fulde**, European College of Veterinary Microbiology, Germany
TBA

14:45 **Closing Remarks**

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