

**Joint Satellite Symposium by Preterm Birth International Collaborative (PREBIC) and
Parturition/Myometrium Group
March 22, 2023
Brisbane, Australia**

Symposium Organizers:

PREBIC

Ramkumar Menon, Ph.D.

Professor, Division Director, Basic Science and Translational Research, Department of Obstetrics
and Gynecology, The University of Texas Medical Branch @ Galveston, TX
Executive Director – PREBIC Global

Parturition/Myometrium

Rachel Tribe, Ph.D.

Professor of Maternal and Perinatal Science, Department of Women and Children's Health, King's
College London, Director, PREBIC European Branch

8.20 – 9.30

Moderators:

Sam Mesiano, Ph.D.

Secretary and Treasurer, PREBIC, Inc.
Professor, Department of Reproductive Biology, Case Western Reserve
University, Cleveland, OH, USA

Elizabeth Bonney, MD

PREBIC President
PRESIDENT, PREBIC, Inc.
Professor, Department of Obstetrics and Gynecology, University of Vermont,
VT, USA

8:20 – 8.30

Preterm Birth International Collaborative Activities

Elizabeth Bonney, MD

President, PREBIC
Department of Obstetrics and Gynecology, University of Vermont,
Burlington, VT

8.30-9.00

**"Antenatal corticosteroids for preterm birth: changes, challenges and
controversies"**

Joshua P. Vogel, BMedSci, MBBS, Ph.D.

Principal Research Fellow & Co-Head, Global Women's and Newborn's
Health Group
Maternal, Child and Adolescent Health Program, Burnet Institute
Melbourne, Victoria, Australia

9.00-9.30

"Updates on Prevention Strategies for Preterm Birth"

Clarissa Velayo, MD, Ph.D.

Professor, Department of Physiology
College of Medicine, University of the Philippines, Ermita, Manila
Philippines

9.30-10.00

Coffee Break

10.00-12.00

Moderators:

Hanns Helmer, MD

Past President & Executive council Member – PREBIC

Professor, Dept. Obstetrics and Maternal-Fetal Medicine
Medical University Vienna, Vienna, Austria

Ramkumar Menon, Ph.D.

Professor, Division Director, Basic and Translational Research, Department of Obstetrics and Gynecology,
The University of Texas Medical Branch @ Galveston, TX
Executive Director – PREBIC

10.00-10.30

“Genome Wide Association Studies (GWAS) Enhances the Genetic Understanding of the Gestational Duration, birth weight and placental weight”

Bo Jacobsson, MD, Ph.D.

Professor, Dept of Obstetrics and Gynecology, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden
Chair, PREBIC Europe Branch
FIGO – Division of Maternal and Neonatal Health

10.30-11.00

“Chromatin remodeling in the gestational tissues is an emerging driver of the labor-promoting phenotype.”

Tamas Zakar, MD, Ph.D.

Conjoint Professor, School of Medicine and Public Health, Mothers and Babies Research Program, HMRI
The University of Newcastle, Newcastle, Australia

11.00-11.40

Calvin J. Hobel, MD “Keynote Lecture.”

“Novel cell and cell-free therapies for perinatal diseases - considerations for early phase clinical trials “

Rebecca Lim, Ph.D.

The Ritchie Centre
Hudson Institute of Medical Research,
Clayton, Victoria, Australia

11.40-12.00

Discussion (morning session – All speakers)

12:00 – 1.30

Lunch

Afternoon Session 1.30 – 5.00 pm

Moderators:

Rachel Tribe, Ph.D.

Professor, Dept. of Women and Children's Health, School of Life Course Sciences, King's College London, London, UK
Co-Chair, PREBIC Europe

Nanbert Zhong, MD, Ph.D.

Department of Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, USA.

1.30-2.00

“Circadian timekeeping in pregnancy”

Hanne Hoffmann, PhD

Dept. of Animal Science
Michigan State University
East Lansing, MI, USA

- 2.00-2.30** **“Perturbations preceding preterm birth: A multi-omic, longitudinal approach to the maternal immunome”**
Ina Stelzer, PhD
Dept. of Anesthesiology, Perioperative and Pain Medicine,
Stanford University, CA, USA
- 2.30-3.00** **“Maternal obesity and mechanisms of myometrial dysfunction”**
Antonia Frolova, MD, PhD
Department of Obstetrics & Gynecology
Division of Maternal-Fetal Medicine
Washington University, St. Louis, MO, USA
- 3.00-3.30** **“Topologically Associated Domains in the myometrium and preterm birth”**
Roger Smith, MBBS, Hons., PhD, FRACP, FRANZCOG, FSRB
Laureate Professor
Endocrinology Department, Medical & Interventional Service
The University of Newcastle, Callaghan Australia
- 3.30-4.00** **Coffee Break**
- 4.00-4.30** **"Placental endothelium insufficiency in preterm birth"**
Luis Sobrevia, FTGS FIUPS
Cellular and Molecular Physiology Laboratory (CMPL)
Department of Obstetrics, Division of Obstetrics and Gynaecology
Pontificia Universidad Católica de Chile, Santiago, Chile
- 4.30 – 5.00** **“Prevention of preterm birth anno 2023: what do we know and what do we don’t know”**
Ben Mol, MD, Ph.D.
Professor of Obstetrics and Gynecology
Monash University, Monash Medical Centre
Clayton, Australia