

**HZI-SYMPOSIUM: *LEGIONELLA* SPP. - FROM MOLECULAR BIOLOGY TO ECOLOGY OF WATERBORNE
PATHOGENS MOST RELEVANT IN DEVELOPED COUNTRIES**

Location: Helmholtz Centre for Infection Research, HZI forum X0.13a, Braunschweig, Germany

Date: June 17, 2014

AGENDA

CHAIR: DINA BITAR, UNIVERSITY AL-QUDS, JERUSALEM, PALESTINE

10.00 – 10.15 Manfred Höfle, HZI, Braunschweig, Germany: Introduction to the Symposium

10.15 – 10.55 Antje Flieger, RKI, Wenigerode, Germany: *L. pneumophila* phospholipases - overview and characteristics of the phospholipase A PlaB

10.55-11.25 Christina Lang, RKI, Wenigerode, Germany: *L. pneumophila* phospholipases - characteristics of the GDSL family of phospholipases A and acyltransferases

11.25-11.45 Maren Schlegel, RKI, Wenigerode, Germany: *L. pneumophila* phospholipases - characteristics of the phospholipase C enzymes

11.45 – 12.00 coffee break

12.00 – 12.30 Janine Rasch, TU Braunschweig, Germany: Mip, a key player affecting the *L. pneumophila* secretome

12.30- 13.00 Stefanie Krüger, TU Braunschweig, Germany: Role of ProA in ex vivo infection of human lung tissue

13.00 – 13.30 Julia Hoppe, TU Braunschweig, Germany: PilY1, a new virulence factor of *L. pneumophila*

13.30-14.30 LUNCH AT THE HZI CANTEEN

CHAIR: MALKA HALPERN, UNIVERSITY HAIFA, ISRAEL

14.30-15.00 Christian Lück, TU Dresden, Germany: Typing of *Legionella pneumophila* - Current status and further development

15.00-15.25 Yehonatan Sharaby, University Haifa, Israel: *Legionella* spp. monitoring in a water system in Israel along one year: prevalence and persistence in water and biofilm

15.25-15.40 Sara Rodríguez-Martínez, University Haifa, Israel: Following *Legionella* spp. from drinking water to grey-water

15.40-15.50 Hila Mizrahi, University Haifa, Israel: *Legionella* spp. prevalence in community acquired pneumonia

15.50-16.00 Malka Halpern, University Haifa, Israel: *Legionella* spp. future research in Israel

16.00-16.30 Coffe break

16.30-17.00 Dina Bitar, University Al-Quds, Jerusalem, Palestine: *Legionella* research at Al-Quds University - Identification of *Legionella* spp. from sputum or bronchoalveolar lavage from pneumonia patients

17.00-17.30 Ashraf Zayed, Al-Quds University, Jerusalem, Palestine: Identification of *Legionella* spp. from environmental samples

17.30-18.00 Rene Lesnik, HZI, Braunschweig, Germany: Changing like the seasons? - Dynamics of *Legionella* spp. and their potential hosts as revealed by advanced molecular analyses

18.00-18.30 Marina Pecellin, HZI, Braunschweig, Germany: *L. pneumophila* from high resolution genotyping to the physiology of single strains

18.30-19.00 Manfred Höfle, HZI, Braunschweig, Germany: Final discussion and wrap up