

Workshop on Bio-Photonics for Neglected Diseases

UNICAMP, Campinas, Brazil

11 – 13 November 2019

Programme

November 11, Monday

09:00: Registration

09:30: Opening Ceremony

09:45: Introduction to Bio-Photonics from its Emergence to becoming key Enabling Technology: Design and Optimisation of Bio-photonic Devices – B M Azizur Rahman, City University London

10:30: Coffee Break

11:00 Diagnostic of Neglected Diseases: Challenges and Opportunities for Bio-Photonics – Hugo E Hernandez-Figueroa, University of Campinas

11:45 Fundamentals of Optical Biosensors – Kenneth T V Grattan, City University London

12:30: Lunch (on your own)

14:15 Bio-Photonics Applied to Lab-on-a-chip Solutions - Fundamentals and Opportunities – Ajoy K Kar, Heriot Watt University

15:00 Compact and Low-cost Lasers for enabling Microfluidic-based Lab-on-a-chip Devices – Niklaus Ursus Wetter, Nuclear and Energy Research Institute at the University of Sao Paulo

15:45 Coffee Break

16:15 Research on Bio-Photonics Applied to Health in Brazil – Vanderlei Salvador Bagnato, University of Sao Paulo

17:00 End of activities

November 12, Tuesday

09:30 Structural Biology and Drug Discovery against Neglected Diseases – Glaucius Oliva, University of Sao Paulo

10:30 Coffee Break

11:00 Bio-Photonics in Brazil: from Laser Therapy to Spectral Diagnosis – Denise Zezell, Nuclear and Energy Research Institute at the University of Sao Paulo

12:00: Lunch

13:30 Poster session by 34 early career researchers

15:30 Coffee Break

16:00 Academic Role in Bio-Photonics Technology Transfer/Development in Brazil – Paulo Schor, Federal University of Sao Paulo

17:00 End of activities

20:00: Dinner and cultural show (to be confirmed)

November 13, Wednesday

09:30 Funding opportunities in the State of São Paulo and Internationalisation – Hugo E Hernandez-Figueroa, University of Campinas. FAPESP Presentation.

10:00 Academy-industry technology transfer and industry-academic career development – Vanderlei Salvador Bagnato, University of Sao Paulo and Niklaus Ursus Wetter, Nuclear and Energy Research Institute at the University of Sao Paulo

10:30 Coffee Break

11:00: Funding opportunities in UK and Internationalisation – B M Azizur Rahman, City University London. British Council Presentation.

11:30: Research Methods, IP protection and spin-offs – Kenneth T V Grattan, City University London and Ajoy K Kar, Heriot Watt University

12:00 Lunch (on your own)

13.30 Networking of young participants

14:30 Round Table discussions – Niklaus Ursus Wetter, Nuclear and Energy Research Institute at the University of Sao Paulo and Ajoy K Kar, Heriot Watt University (Chairs)

15:20 Closing Ceremony