



18th International Conference on

Structural Biology

October 14-16, 2019 | London, UK

DAY-1

October 14, 2019

Meeting Hall: **Bleriot 1**

10:00-10:30 Registrations

Opening Ceremony **10:30-10:45**

KEYNOTE FORUM

Introduction

10:45-11:30 **Title: Normal Modes, what do they tell us about the protein dynamics?**
Liliane Mouawad, Institut Curie, France

GROUP PHOTO

Networking & Refreshments 11:30-11:50 @ Foyer

11:50-12:35 **Title: Functional Consequences of Oxidative Stress: Oxidation of Methionine Residues in Calmodulin Mediates Target Protein Recognition and drug binding**
Jeffrey Urbauer, The University of Georgia, USA

12:35-13:10 **Title: Structure and functions of mammalian HSP60 and HSP10**
Hideaki Itoh, Akita University Graduate School of Engineering Science, Japan

Lunch Break 13:10-14:10 @ RBG

POSTER PRESENTATIONS @ FOYER 14:10-14:30

Sessions: Biochemistry and Biophysics | Sequencing analysis | Drug Designing and Biomarkers | Molecular Modelling and Dynamics | 3-D Structure Determination | Proteomics and Genomics | Structural Biology in Cancer Research | Frontiers in Structural Biology | Structural Biology

Chair: Hideaki Itoh, Akita University Graduate School of Engineering Science, Japan

INTRODUCTION

14:30-15:00 **Title: Opportunities for structure based drug discovery on membrane proteins**
Michael Hennig, leadXpro AG, Switzerland

15:00-15:30 **Title: Optimizing protein crystallization towards structure-based drug discovery: A study of S. mansoni Universal stress G4LZ13 protein**
Priscilla Masamba, University of Zululand, South Africa

15:30-16:00 **Title:** Nrf2, the key transcription factor that regulates the cellular response to oxidative stress, is intrinsically disordered
Nadun Chanaka Karunatileke, The University of Western Ontario, Canada

Networking & Refreshments 16.00-16:20 @ Foyer

16:20-16:50 **Title:** Microfluidic Modulation Spectroscopy (MMS) – A new approach to obtaining data rich IR spectra for protein secondary structure elucidation
Claire England, RedShiftBio, USA

16:50-17:20 **Title:** Blocking TNF- α ameliorates L. major infection in BALB/c mice revealing new insights of the role of many cytokines involved in cutaneous leishmaniasis
Marc Karam, University of Balamand, Lebanon

Panel Discussion

Awards & Closing Ceremony

DAY-2

October 15, 2019

Extended Networking & Lunch 12:30-13:30 @ RBG

Bookmark your Dates

19th International Conference on

Structural Biology

September 28-29, 2020 Barcelona, Spain

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Website: structuralbiology.expertconferences.org