

## Indo-French Workshop on Host-Pathogen Metabolic Interactions & Malarial Drug Resistance

July 1-2, 2024

Institute for Advanced Biosciences (IAB), Grenoble

### Preliminary Program

Monday July 1	
09:30-9:45	<b>Welcome &amp; Introductory Remarks</b> Pierre Hainaut (IAB), Cyrille Botté (IAB), Asif Mohmmed (ICGEB, New Dehli)
09:45-10:45	<b>Surviving different environments</b> Catherine Lavazec (Institut Cochin, Paris) "Deciphering the interactions between malaria parasites and erythroblasts" Ana Rita Gomes (LPHI, Montpellier) "Uncovering Cell Cycle Checkpoints in Malaria Parasites"
10:45-11:15	<i>Coffee</i>
11:15-12:15	<b>Targeting blood stages</b> Chetan Chitnis (Pasteur Institute, Paris) "Targeting a host PLA2 to develop a drug for malaria" Gagan Jhingan (VProteomics, New Dehli) "Mass spectrometry emerging as gold standard for clinical studies of infectious diseases and diagnostics"
12:15-12:30	<b>Flash poster presentations</b>
12:30-14:00	<b>Lunch &amp; Poster session</b>
14:00-15:15	<b>Protein trafficking</b> Rahul Pasupureddy (ICMR National Institute of Malaria Research, New Dehli) "Understanding the complex formation of falcipain; an endogenous macromolecular inhibitor of falcipains" ( <i>virtual talk</i> ) Yohann Couté (IRIG, Grenoble) "Tackling biomedical questions with mass spectrometry-based proteomics" Dinesh Gupta (ICGEB, New Dehli) "PTMs in <i>Plasmodium falciparum</i> : methylome and phosphatome"
15:15-15:45	<i>Coffee</i>
15:45-16:45	<b>Drug development</b> Kavita Singh (Drugs for Neglected Diseases Initiative, New Dehli) "Partnerships for affordable Drug Development" Elisabeth Davioud-Charvet (EPCM, Strasbourg) "Chemical tools to decipher the modes of action of antiparasitic redox-active 3-benzylmenadiones" <b>Funding opportunities</b>
16:45-17:00	Srini Kaveri (CNRS India, New Dehli)
19:00	<i>Gala Dinner, Le Ciel Rooftop, 5 rue Maurice Gignoux 38000</i> <a href="https://www.thebabelcommunity.com/grenoble/restaurant/">https://www.thebabelcommunity.com/grenoble/restaurant/</a>
Tuesday July 2	
09:30-10:30	<b>Drug Discovery &amp; Resistance</b> Sumit Rathore (AIIMS, New Dehli) "Role of tryptophan-rich antigens in <i>Plasmodium vivax</i> biology" Krish Karmodia (IISER, Pune) "Multi-Protein chimeric antigens for efficiently targeting and blocking the blood stage of <i>Plasmodium falciparum</i> "
10:30-11:00	<i>Coffee</i>
11:00-12:00	<b>Other Stages</b> Liliana Mancio Silva (Pasteur Institute, Paris) "Unveiling host-parasite metabolic interactions in the liver" Joao Marques (USIAS, Strasbourg) "A metabolic signature of natural antiviral resistance against Dengue virus in <i>Aedes aegypti</i> mosquitoes"

<b>12:00-13:30</b>	<b>Lunch &amp; Poster session</b>
13:30-14:45	<p><b>Toxoplasma</b></p> <p>Isabelle Tardieux (IAB, Grenoble) "An innovative combinatorial toolkit to uncover the physics of Toxoplasma gliding"</p> <p>Sébastien Besteiro (LPHI, Montpellier) "Assembly and transfer of iron-sulfur clusters as a potential drug target in Toxoplasma"</p> <p>Silvia Diaz Martin (IAB, Grenoble) "A drug repositioning strategy identifies a compound inhibiting GSK3 activity in <i>Toxoplasma gondii</i>"</p>
14:45-15:00	<p><b>Closing Remarks</b></p> <p>Cyrille Botté (IAB, Grenoble)</p>
15:00-	<b>Aperitif</b>

[www.hostpathogen.fr](http://www.hostpathogen.fr)



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