

**Preliminary Program**

<b>Monday, Dec. 3<sup>rd</sup></b>					
08:30-08:50	<b>Registration</b>				
08.50-09:00	Opening	10 min	Boris Macek	University of Tübingen	Opening remarks
09:00-10:45	<b>Session 1 – Protein Degradation and Recycling (Chair: Boris Macek)</b>				
	Keynote Lecture	45 min	Tim Clausen	IMP Vienna	The phospho-kiss of death: Revealing a specific phospho-signal that serves as degradation tag
	Short Talk	15 min	Eilika Weber-Ban	ETH Zurich	Pupylation, a ubiquitin-like post-translational modification in actinobacteria
	Short Talk	15 min	Andreas U. Müller	ETH Zurich	The mycobacterial LexA/RecA-independent DNA damage response is controlled by PafBC and the Pup-proteasome system
	Short Talk	15 min	Philipp Spät	University of Tübingen	Chlorosis as a developmental program in cyanobacteria: protein O-phosphorylation controls stress-induced phycobilisome turnover
	Short Talk	15 min	Maja Semanjski	University of Tübingen	Application of dynamic SILAC to determine protein turnover during toxin-induced persistence and resuscitation in <i>E. coli</i>
10:45-11:15	<b>Coffee</b>				
11:15-12:45	<b>Session 2 – Protein Phosphorylation in Cell Division and Cell Wall Biology (Chair: Ivan Mijakovic)</b>				
	Short Keynote	30 min	Vinay Kumar Nandicoori	New Delhi	Interaction of LipidII with specific residues of its extracellular domain governs appropriate localization and optimal activation of <i>M. tuberculosis</i> PknB
	Short Talk	15 min	Sathya Narayanan Nagarajan	CNRS Lyon	Role of FtsZ Phosphorylation in modulating the pneumococcal cell division
	Short Talk	15 min	Anaïs Pelletier	CNRS Lyon	A new tyrosine-kinase of <i>Streptococcus pneumoniae</i> is involved in cell-growth and morphogenesis
	Short Talk	15 min	Isabelle Martin-Verstraete	Pasteur Institute Paris	Role of the Ser/Thr kinases in the physiology of <i>Clostridium difficile</i>
	Short Talk	15 min	Bernd Vollmer	University of Tübingen	Effect of Eukaryotic-Type Serine/Threonine Protein Kinases (eSTPKs) on Differentiation and Spore Wall Synthesis of <i>Streptomyces Coelicolor</i> A3
12:45-14:00	<b>Lunch</b>				
14:00-15:45	<b>Session 3 – Protein Acetylation and Acylation (Chair: Julie Hardouin)</b>				
	Keynote Lecture	45 min	Chunaram Choudhary	University of Copenhagen	The scope, mechanisms, and regulation of lysine acetylation in <i>E. coli</i>
	Short Talk	15 min	Carsten Jers	Technical University of Denmark	The global acetylome of the human pathogen <i>Vibrio cholerae</i> V52 reveals lysine acetylation of major transcriptional regulators
	Short Talk	15 min	Charlotte Gaviard	University Rouen	Lysine modifications in <i>Pseudomonas aeruginosa</i> PA14
	Short Talk	15 min	Nienke Buddelmeijer	Pasteur Institute Paris	Functional conservation of Apolipoprotein N-acyltransferase in proteobacteria
	Short Talk	15 min	Laure Béven	INRA Bordeaux	Pathogenicity-related, acylated membrane proteins and sterols develop privileged interactions in the membrane of spiroplasmas
15:45-18:00	<b>Poster Session &amp; Coffee</b>				
18:00-19:30	<b>City Tour</b>				
19:30-22:00	<b>Dinner Neckarmüller</b>				

Tuesday, Dec. 4 <sup>th</sup>					
09:00-10:30	<b>Session 4 – Pathogenesis and Persistence (Chair: Christophe Grangeasse)</b>				
	Short Keynote	30 min	Kenn Gerdes	University of Copenhagen	Serine-Threonine Kinases and Bacterial Multidrug Tolerance: Comparison of hipBA of E. coli K-12 with hipBST of E. coli O127 Encoding a Split hipA gene
	Short Talk	15 min	Kathleen Ryan	UC Berkeley	Diverse functions of HipA serine/threonine kinases in <i>Caulobacter crescentus</i>
	Short Talk	15 min	Divya Arora	New Delhi	The transpeptidase PbpA and non-canonical transglycosylase RodA of <i>Mycobacterium tuberculosis</i> play important roles in its pathogenesis
	Short Talk	15 min	Sandrine Poncet	INRA Jouy-en-Josas	Hanks-kinases dependent phosphorylation of <i>Bacillus cereus</i> global gene regulator CodY deeply impacts physiology and virulence
	Short Talk	15 min	Nelson Soares	University of Cape Town	Characterization of the Macrophage Ser/Thr/Tyr protein phosphorylation next work perturbed by mycobacterial Protein Kinase (PknG)
10:30-11:00	<b>Coffee</b>				
11:00-12:30	<b>Session 5 – Metabolism and Protein Biosynthesis (Chair: Eilika Weber-Ban)</b>				
	Short Keynote	30 min	Karl Forchhammer	University of Tübingen	Chlorosis as a Developmental Program in Cyanobacteria: The (Phospho)proteomic Fundament for Survival and Awakening
	Short Talk	15 min	Magdalena Gil	Pasteur Institute Paris	New substrates and interactors of the mycobacterial Serine/Threonine protein kinase PknG identified by a tailored interactomic approach
	Short Talk	15 min	Aleš Ulrych	Prague University	StkP protein kinase modulates activity of the essential phosphoglucosamine mutase GlmM in <i>Streptococcus pneumoniae</i>
	Short Talk	15 min	Abida Sultan	Technical University of Denmark	Quantitative assessment of the phosphoproteomes of kinase-deficient <i>Escherichia coli</i> strains
	Short Talk	15 min	Anna L. Vagstad	ETH Zurich	Mechanistic insights into peptidyl $\alpha$ -keto- $\beta$ -amino acid biosynthesis by a radical splicease enzyme
12:30-13:30	<b>Lunch</b>				
13:30-15:00	<b>Session 6 – Protein Glycosylation (Chair: Karl Forchhammer)</b>				
	Keynote Lecture	45 min	Markus Aebi	ETH Zurich	The making of N-glycoproteins: the evolution of a prokaryotic PTM into a complex eukaryotic pathway
	Short Talk	15 min	Timothy G. Keys	ETH Zurich	Exploring and exploiting cytoplasmic N-glycosylation of proteins in bacteria
	Short Talk	15 min	Petra Mikolčević	Ruđer Bošković Institute Zagreb	Ins and Outs of ADP-ribosylation in <i>Streptomyces coelicolor</i>
	Short Talk	15 min	Ralph Krafczyk	LMU Munich	An odd couple? Rhamnose and arginine form a new bacterial glycoconjugate
15:00-15:30	<b>Coffee</b>				
15:30-16:15	<b>Closing lecture (Chair: Karl Forchhammer)</b>				
	Closing Lecture	45 min	Haike Antelmann	FU Berlin	Thiol-based switches and redox-regulation in <i>Staphylococcus aureus</i> under infection conditions
16:15-16:30	<b>Closing remarks, Presentation Award (Organizing Committee)</b>				