

## Nucleotide Second Messenger Signaling in Bacteria

SPP 1879 Progress Meeting 2020

### Poster Session (Friday February 28<sup>th</sup>)

No.	Author(s)	Title
P01	<u>Heike Bähre</u> and Roland Seifert	Identifying c-di-NMP related metabolites in bacterial extracts
P02	<u>Adrian Bandera</u> and Gregor Witte	TBA
P03	<u>Bertrand Beckert</u> , Martin Turk, Andreas Czech, Otto Berninghausen, Roland Beckmann, Zoya Ignatova, Jürgen M. Plitzko and Daniel N. Wilson	Structure of a hibernating 100S ribosome reveals an inactive conformation of the ribosomal protein S1
P04	<u>Frank Braun</u> , Laura Thomalla, Chris van der Does, Tessa E. F. Quax, Thorsten Allers, Volkhard Kaever and Sonja-Verena Albers	Cyclic di-AMP as second messenger in the euryarchaeon <i>Haloflex volcanii</i>
P05	<u>Rica Bremenkamp</u> , Larissa Krüger, Christina Herzberg and Jörg Stülke	The link between cyclic di-AMP and fatty acid metabolism
P06	<u>Simon Brückner</u> , Fabian Müller and Franz Narberhaus	Characterizing the effect of ppGpp-binding to proteins involved in lipid metabolism of <i>Escherichia coli</i>
P07	<u>Kristina Driller</u> and Kürşad Turgay	The alarmones (p)ppGpp are part of the heat shock response of <i>Bacillus subtilis</i>
P08	<u>Jelena Erdmann</u> and Susanne Häussler	Unraveling the c-di-GMP signaling network in the opportunistic pathogen <i>Pseudomonas aeruginosa</i>
P09	<u>Neda Farmani</u> , Laura Werel, Elizaveta Krol, Petra Gnau, Lars-Oliver Essen and Anke Becker	Cyclic mononucleotide signaling in <i>Sinorhizobium meliloti</i>
P10	<u>Katrin Gerbracht</u> , Martina Rüger, Susanne Zehner and Nicole Frankenberg-Dinkel	Transcriptional regulation and cellular localization of the c-di-GMP-specific phosphodiesterase NbdA of <i>Pseudomonas aeruginosa</i>
P11	<u>Pietro Ivan Giammarinaro</u> and Gert Bange	The Ap4A nucleotide in <i>Bacillus Subtilis</i>
P12	<u>Michael Haffner</u> , Khaled A. Selim, Larissa Krüger, Jörg Stülke and Karl Forchhammer	Towards the role of cyclic-di-adenosine monophosphate (c-di-AMP) in Cyanobacteria
P13	<u>Jana L. Heidemann</u> , Rica Bremenkamp, Johannes Gibhardt, Ralf Ficner and Fabian M. Commichau	The phosphoglucosamine mutase GlmM moonlights in modulating the activity of the diadenylate cyclase CdaA in <i>Listeria monocytogenes</i>
P14	<u>Eike H. Junkermeier</u> and Regine Hengge	Functional characterization of NfrB, a novel c-di-GMP-controlled putative exopolysaccharide synthase
P15	<u>Vanessa Kreiling*</u> , Tim Rick*, Anna Pecina and Kai Thormann	How loss of the phosphodiesterase PdeB limits spreading of <i>Shewanella putrefaciens</i> in structured environments
P16	<u>Larissa Krüger</u> , Christina Herzberg and Jörg Stülke	C-di-AMP signaling in <i>Bacillus subtilis</i>
P17	<u>Andreas Latoscha</u> and Natalia Tschowri	The RCK_C domain proteins CpeA and CpeD sense c-di-AMP in <i>Streptomyces</i>
P18	<u>Oliver Mantovani</u> , Khaled Selim, Karl Forchhammer and Martin Hagemann	Linking second messenger nucleotide signalling with CO <sub>2</sub> homeostasis in cyanobacteria: Photosynthesis and metabolism in <i>sbtB</i> -mutants
P19	Vanessa Pfiffer, <u>Ronja Offer</u> , Alexandra Possling and Regine Hengge	Signal input into the <i>E. coli</i> biofilm matrix control network via the diguanylate cyclase DgcE and a GTPase partner system
P20	<u>Jeanine Rismondo</u> , Maria Yacoub and Angelika Gründling	Towards understanding the link between the ABC transporter EslABC and lysozyme resistance in <i>Listeria monocytogenes</i>
P21	<u>Andrea Salzer</u> , Daniela Keinhörster, Christina Kästle, Benjamin Kästle and Christiane Wolz	Role of the stringent response for biofilm formation in <i>Staphylococcus aureus</i>
P22	<u>Anna Scherhag</u> , Martina Rüger, Susanne Zehner and Nicole Frankenberg-Dinkel	Phosphodiesterase activity of NbdA from <i>Pseudomonas aeruginosa</i>

P23	Cihan Yilmaz and <u>Karin Schnetz</u>	The c-di-GMP phosphodiesterase and transcription regulator PdeL represses motility in <i>Escherichia coli</i>
P24	<u>Michael Seidel</u> , Dorota Skotnicka and Lotte Søgaard-Andersen	Elucidating the role of the PilZ domain protein CdbZ in chromosome organization in <i>Myxococcus xanthus</i>
P25	<u>Janina Stautz</u> , Marina Schrecker, Deryck J. Mills, Susann Kaltwasser, Celina Thiel, Janet Vonck and Inga Hänel	Allosteric control of KtrAB by nucleotides and cyclic nucleotides
P26	<u>Albrecht Eduard Völklein</u> , Oliver Binas, Tom Landgraf, Robin Krishnathas, Christian Richter, Sridhar Sreeramulu and Harald Schwalbe	NMR screening of RNA secondary structure and binding of bacterial secondary messenger
P27	<u>Mengyi Wang</u> , Johannes Gibhardt and Fabian M. Commichau	Novel targets of c-di-AMP in <i>Listeria monocytogenes</i>
P28	<u>Jan-Philip Wieferig</u> , Igor Tascón, Joana S. Sousa, Robin A. Corey, Deryck J. Mills, Nadine Aumüller, Phillip J. Stansfeld, Janet Vonck and Inga Hänel	Regulation of K <sup>+</sup> , H <sup>+</sup> symporter KimA by cyclic nucleotides
P29	Thomas Wallner, Sabrina Oeser, Henriette Kümmel, Chris van der Does and <u>Annegret Wilde</u>	Light-dependent c-di-GMP signaling in cyanobacterial motility