

# Nucleotide Second Messenger Signaling in Bacteria

SPP 1879 Progress Meeting 2017

## Poster Session

No.	Author(s)	Title
P01	<u>Heike Bähre</u> , Sandra Lindenberg, Natalia Tschowri and Volkhard Kaever	Searching for c-di-AMP related metabolites in <i>Streptomyces venezuelae</i>
P02	David Drexler, <u>Adrian Bandera</u> and Gregor Witte	Structural and biophysical analysis of the soluble DHH/DHHA1-type phosphodiesterase TM1595 from <i>Thermotoga maritima</i>
P03	<u>Sarina Bense</u> , Matthias Preuße, Andrea Blanka, Monika Schniederjans, Jonas Krüger and <u>Susanne Häußler</u>	Gene regulation in <i>Pseudomonas aeruginosa</i> by c-di-GMP dependent alterations in mRNA stability
P04	<u>Olga Besharova</u> , Verena Suchanek and Victor Sourjik	Role of flagella and motility in attachment, structure formation and detachment of <i>Escherichia coli</i> biofilms
P05	<u>Oliver Binas</u> and Harald Schwalbe	NMR spectroscopic investigation of the <i>pfl</i> riboswitch from <i>Thermosinus carboxydivorans</i>
P06	<u>Neda Farmani</u> , <u>Elizaveta Krol</u> , Petra Gnau, Lars-Oliver Essen and Anke Becker	Cyclic mononucleotide signaling in <i>Sinorhizobium meliloti</i>
P07	<u>Katrin Gerbracht</u> , Susanne Zehner and Nicole Frankenberg-Dinkel	Transcriptional regulation during NO-induced biofilm dispersal of <i>Pseudomonas aeruginosa</i> biofilms
P08	<u>Pietro Ivan Giammarinaro</u> , Patrick Pausch, Wieland Steinchen and Gert Bange	RelA structure and mechanism
P09	<u>Johannes Gibhardt</u> , <u>Jana Heidemann</u> , Annette Garbe, Anna Lena Hagemann, Volkhard Kaever, Ralf Ficner and Fabian M. Commichau	Control of potassium transport in <i>Listeria monocytogenes</i> by c-di-AMP
P10	<u>Susanne Herbst*</u> , <u>Martin Lorkowski*</u> , Olga Sarenko, Kim Nguyen and Regine Hengge	Transmembrane redox signaling and proteolysis of CSS domain c-di-GMP phosphodiesterases in bacterial biofilm formation
P11	<u>Paul Huter</u> , Stefan Arenz, Michael Graf, André Heuer, Otto Berninghausen, Agata Starosta, Roland Beckmann and Daniel N. Wilson	Structural basis for EF-P mediated rescue of polyproline-stalled ribosomes
P12	Magdalena A. Świątek-Połatyńska, Dorota Skotnicka & <u>Lotte Søggaard-Andersen</u>	The LonD protease, a novel c-di-GMP receptor protein, is required for regulated secretion of the signaling protease PopC in <i>Myxococcus xanthus</i>
P13	<u>Tom Landgraf</u> and Harald Schwalbe	NMR screening of RNA secondary structure and binding of c-di-GMP (3',5') to the Cd1-Riboswitch
P14	<u>Andreas Latoscha</u> , Sandra Lindenberg and Natalia Tschowri	The diadenylate cyclase DisA is involved in development and osmotic stress resistance of <i>Streptomyces venezuelae</i>
P15	<u>Fabian Müller</u> , Lisa-Marie Bittner, Jan Arends, Michael Schäkermann, and Franz Narberhaus	Influence of (p)ppGpp on conditional proteolysis in <i>Escherichia coli</i>
P16	<u>Sabrina Oeser</u> , Thomas Wallner, Annegret Wilde	Acclimation of <i>Synechocystis</i> to surface
P17	<u>Przemyslaw Olejnik</u> and Sandra Schwarz	Interaction studies of the DGC SadC, a predicted hydratase and dioxygenase reductase involved in oxygen-dependent regulation of alginate synthesis in <i>P. aeruginosa</i>
P18	<u>Vanessa Pfiffer</u> and Regine Hengge	Multiple sensory input into the biofilm matrix-controlling diguanylate cyclase DgcE of <i>Escherichia coli</i>
P19	<u>Sebastian Reich</u> , Dominik Weixler and Gerd Seibold	C-di-AMP mediated control in <i>Corynebacterium glutamicum</i> : Functional analysis of two putative c-di-AMP dependent riboswitches
P20	<u>Tim Rick</u> , <u>Kai Thormann</u> et al.	Polar localization of a sensor PDE regulating swimming behavior of <i>Shewanella putrefaciens</i>

P21	<u>Heinrich Schäfer</u> and Kürşad Turgay	Curbing protein synthesis is important for the concerted heat shock response of <i>Bacillus subtilis</i>
P22	<u>Diego O. Serra</u> , <u>Thi Kim Loan Nguyen</u> and Regine Hengge	Heterogeneity of the biofilm regulator CsgD and the extracellular matrix components curli and cellulose production in <i>E. coli</i> macrocolony biofilms
P23	<u>Albrecht Völklein</u> and Harald Schwalbe	NMR screening of RNA secondary structure and binding of bacterial secondary messenger
P24	<u>Juliane Wissig</u> and Gottfried Unden	CyaC from <i>Sinorhizobium meliloti</i> – A hemeB containing redox-sensitive ClassIII-adenylate cyclase