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Title picture: Heilandskirche, Sacrow, Potsdam (Ralph Gräf), Dicties (Rupert Mutzel, Sascha Thewes)

Dicty 2014 Annual International Dictyostelium Conference August 3 - 7, Potsdam, Germany

Venue: Seminaris Hotel Potsdam An der Pirschheide 40 14471 Potsdam

Organizing committee: Ralph Gräf (Universität Potsdam) Sascha Thewes (Freie Universität Berlin) Carsten Beta (Universität Potsdam)

Dicty 2014 - Programme

Sun 3rd	Mon 4th	Tue 5th	Wed 6th	Thu 7th
	9:00 - 10:40	9:00 - 10:40 1st	9:00 - 10:40	9:00 - 10:40
	1st morning session	morning session	1st morning session	1st morning session
	Development	Chemotaxis and cell	Phagocytosis	Evolution
		migration		
	coffee break	coffee break	coffee break	coffee break
	11:10 - 12:50 2nd	11:10 - 12:50 2nd	11:10 - 12:50 2nd	11:10 - 12:50 2nd
	morning session	morning session	morning session	morning session
	Signaling	Biophysics of cell	Pathogen	Cell Biology
		migration	interactions I (4)	
	13:00 - 14:30 lunch	13:00 - 14:30 lunch	12:50 - 13:30 luxury	13:00 - 14:30 lunch
	break	break	coffee break	
	14:30 - 16:10	14:30 - 16:10	13:30 - 14:20 short	Departure
	1st afternoon	1st afternoon	afternoon session	
	session	session Nucleus and	Pathogen	
	Signaling	chromatin	interactions II (2)	
	II/Membrane-			
	associated proteins			
	coffee break	coffee break		
16:00 Registration	16:40 - 18:20 2nd	16:40 - 18:20 2nd	Tour to Sanssouci castle	
	afternoon session	afternoon session	and park (busses leave	
	Disease models	Gene expression	at 14:30 pm)	
		and genomics		
18:30				
Keynote				
lecture/Dicty Race				
20:00	18:30 - 20:00 Dinner	18:30 - 20:00 Dinner	19:30 pm	
Welcome Dinner			Conference Dinner	
			at the Sanssouci castle	
	20:00	20:00		
	Poster Session I	Poster Session II		

Sunday, August 3

16:00 Registration
18:30 1 Keynote lecture by Günther Gerisch
19:30 2 The Dicty World Race

Welcome Dinner

Daniel Irimia

20:00

Monday, August 4

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1st mo	orning se	ession: Development; Chair: Tian Jin
9:00	3	Cell signaling during development of Dictyostelium William F. Loomis
9:25	<u>4</u>	Allorecognition mediates the transition from unicellularity to multicellularity in D. discoideum Adam Kuspa
9:50	<u>5</u>	Genetic analysis of Dictyostelium cell death control Pierre Golstein
10:15	<u>6</u>	Investigating 'rhomboid' membrane proteases' roles in development and signalling in Dictyostelium Mehak Rafiq
10:40	- 11:10	Coffee break
2nd m	ornina s	session: Signaling I; Chair: Bill Loomis
11:10	-	The Actions of Chemoattractants Folate and cAMP during Adaptive and Non-Adaptive Signaling Response Netra Pal Meena
11:35	<u>8</u>	A GPCR-controlled imperfectly adaptive Ras signaling guides directional responses to a chemoattractant gradient Tian Jin
12:00	9	Essential roles for small G-proteins in the regulation of directional cell movement Rama Kataria
12:25	10	A novel heterotrimeric G-protein interacting protein (Gip1) and its function in
chemo	_	Yoichiro Kamimura
13:00	- 14:30	Lunch break
1st aft	ernoon	session: Signaling II / Membrane-associated proteins; Chair: Ludwig Eichinger
14:30		A putative protein kinase C- like protein affects signaling, cell adhesion, mound morphogenesis and cell type differentiation in Dictyostelium Wasima Mohamed
14:55	<u>12</u>	The Dictyostelium discoideum RACK1 orthologue has roles in growth and development Napoleon N. Omosigho
15:20	<u>13</u>	The inverse BAR-domain protein IBARa drives membrane remodelling to control osmoregulation, phagocytosis and cytokinesis Jan Faix
15:45	<u>14</u>	Of lean and fat Dictyostelium cells: Going through a genetically forced yo-yo diet Markus Maniak
16:10	- 16:40	Coffee break
2nd af	ternoor	session: Disease models; Chair: Annette Müller-Taubenberger
16:40		Dictyostelium a model system to study LRRK2-mediated Parkinson's disease Arjan Kortholt
17:05	<u>16</u>	The Role of Mitochondrial Dysfunction in Dictyostelium Parkinson's Disease Models Paul R. Fisher
17:30	<u>17</u>	Tip genes, autophagy and human diseases Ricardo Escalante
17:55	<u>18</u>	Dissecting the primordial function of the gamma-secretase complex Robin S.B. Williams
18:30	- 20:00	Dinner
20:00	- 22:00	Poster Session I

Tuesday, August 5

1st mo 9:00	orning so 19	ession: Chemotaxis and cell migration: Peter van Haastert A master protein kinase regulating Dictyostelium chemotaxis
9:25	<u>20</u>	Rob Kay Structure function relationships of membrane proteins involved in cell migration
9:50	<u>21</u>	Julia von Bülow Ate1-mediated posttranslational arginylation in Dictyostelium discoideum Annette Müller-Taubenberger
10:15	<u>22</u>	SILAC-based proteomic quantification of chemoattractant-induced cytoskeleton dynamics Grzegorz J. Sobczyk
10:40	- 11:10	Coffee break
2nd m	orning s	session: Biophysics of cell migration; Chair: Carsten Beta
11:10	<u>23</u>	Cellular memory in eukaryotic chemotaxis Wouter-Jan Rappel
11:35	<u>24</u>	Sorting of Dictyostelium cells in vertically constrained aggregates Albert Bae
12:00	<u>25</u>	Dynamics of wave patterns in giant Dictyostelium cells Matthias Gerhardt
12:25	<u>26</u>	Three-dimensional organization of actin filaments in propagating waves Marion Jasnin
13:00	- 14:30	Lunch break
1st aft	ernoon	session: Nucleus and chromatin; Chair: Christian Hammann
14:30	<u>27</u>	Knockout zaps are done on Friday mornings Douwe M. Veltman
14:55	<u>28</u>	Developmental Regulation of Nucleosome Positioning and Gene Expression by a CHD Type III Chromatin Remodeling Protein Alan R. Kimmel
15:20	<u>29</u>	A compendium of chromatin remodelling complex mutants in Dictyostelium discoideum and the nucleosome positioning roles of the CHD family Mark E. Robinson
15:45	<u>30</u>	Nuclear envelope-associated Proteins of Dictyostelium Petros Batsios
16:10	- 16:40	Coffee break
2nd at	ternoon	session: gene expression and genomics; Chair: Thomas Winckler
16:40		Dissecting transcriptional mechanism using live cell imaging Jonathan R. Chubb
17:05	<u>32</u>	RNA mediated RNA regulation by Argonautes and dsRBD proteins Wolfgang Nellen
17:30	<u>33</u>	Dicer-like proteins in Dictyostelium Christian Hammann
17:55	<u>34</u>	Evolutionary conservation of a small set of developmentally expressed genes in social amoebae Gernot Glöckner
18:30	- 20:00	Dinner

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20:00 - 22:00 Poster Session II

Wednesday, August 6

wednesday,	August 6
1st mornina	session: Phagocytosis; Chair: Markus Maniak
9:00 35	Dictyostelium WASP: roles in endocytosis and cell polarity, but not in pseudopod
_	formation (plus a note about the evolution of phagocytosis) Robert Insall
9:25 36	Biochemical and biological properties of cortexillin III, a component of Dictyostelium
	DGAP1-cortexillin complexes Shi Shu
9:50 37	The identification of axeB, the master regulator of macropinocytosis and phagocytosis
	Gareth Bloomfield
10:15 <u>38</u>	Multiple phases and functions of WASH in the phagocytic cycle
	Jason S. King
10:40 - 11:10	Coffee break
2 / :	
-	session: Pathogen interactions I; Chair: Netra Meena
11:10 <u>39</u>	Impact of Lipid Metabolism on the Infection of Dictyostelium with Mycobacterium marinum Thierry Soldati
11:35 <u>40</u> .	Take the bitter with the sweet: Discoidins and mycobacterial infection
	Ana T. López-Jiménez
12:00 <u>41</u>	The autophagic machinery ensures non-lytic ejection of mycobacteria and efficient cell-
10.05 10	to-cell transmission Rachel Pilla
12:25 <u>42</u>	Dictyostelium discoideum as a host model to study the interaction with pathogenic and
	apathogenic yeast Sascha Thewes
12:50 - 13:30	Luxury coffee break
1st afternooi	n session: Pathogen interactions II; Chair: Netra Meena
13:30 <u>43</u>	Autophagy 16 and 9 mutants have similar endocytosis defects but deficiencies in
	development and proteasomal activity are much more severe in the double mutant
	Qiuhong Xiong
13:55 <u>44</u>	Functional characterization of Dictyostelium iron transporters Nramp1 and Nramp2,
	involved in resistance to bacterial infection and in iron homeostasis: an update
	Salvatore Bozzaro
14:30 Bus c	all for Sanssouci Tour
15:00	Tour through the castle and park Sanssouci
17:00	Free time to visit the park and downtown area
19:30	Conference Dinner at the Mövenpick Restaurant "Zur historischen Mühle" at the historic
	wind mill.
22:45	Bus call for transfer to the Seminaris hotel
22.73	bus can for dansier to the seminaris note:

Thursday, August 7

14:30 Departure

1st m	orning s	ession: Evolution; Chair: Pauline Schaap
9:00	<u>45</u>	Eastern Japanese Dictyostelia species adapt while populations exhibit neutrality
		Shun Adachi
9:25	46	Functional evolution of adenylate cyclase R and adenylate G in Dictyostelia
		Yoshinori Kawabe
9:50	47	Trade-offs and the illusion of social success in Dictyostelium discoideum
		Christopher R.L. Thompson
10:15	48	Divide and conquer: vegetative conflict in D. discoideum
		Balint Stewart
10:40	- 11:10	Coffee break
2 /		
2nd morning session: Cell biology / Organelle function; Chairs: Ralph Gräf/Sascha Thewes		
11:10	<u>49</u>	CP161, a new component of the centrosome
		Salil K. Sukumaran
11:35	50	Characterization of four novel core components of the Dictyostelium centrosome
		Irene Meyer
12:00	51	Adaptations in the proteostasis network of the social amoebae Dictyostelium discoideum
		cause an unusual resilience to protein aggregation Liliana Malinovska
12:25	52	Peptidyl prolyl cis-trans isomerases (PPlases): a study in Dictyostelium discoideum
	_	Aruna Naorem
13.00	Lunch	
13.00		