



4th Cooperation Workshop - Agenda

Palestinian-German Science Bridge (PGSB)

Joint Research and Education Programme

6-11 April 2019

**Palestine Red Crescent Society, main Building, Al Bireh, Ramallah
In conjunction with Al Aqsa University, Gaza via videoconference**

The goals of the workshop are to form new and strengthen existing cooperation, to meet thesis candidates and co-supervisors from the 4th Call for Thesis Project Requests, to discuss plans and perspectives for follow-up activities, and in particular to arrange mutual meetings between faculty members of Palestinian universities interested in establishing long-term cooperation with researchers in Jülich.

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Saturday, 6 April · Arrival

Date: Sunday, 7 April – Formal opening and plenary program

Hall: Ground floor

08:00-08:30	Transfer from Hotel
08:30-09:00	Registration
09:00-10:30	Formal opening and welcome addresses-Moderator: Dr. Samer Jarrar
09:00-09:10	Palestine Academy for Science and Technology, Prof. Marwan Awartani
09:10-09:20	Ministry of Education and Higher Education (MoEHE), H. E. Dr. Sabri Saidam
09:20-09:30	German Federal Ministry of Education and Research (BMBF), Dr. Katharina Gatzsche
09:30-09:40	Forschungszentrum Jülich GmbH, Prof. Dr. -Ing. Wolfgang Marquardt
09:40-09:50	PGSB achievements and outlook, Dr. Cate Morgan, Prof. Dr. Ghaleb Natour
09:50-10:15	Awarding of Certificates for completed MSc projects
10:15-10:30	Group picture
11:00-11:30	Coffee break
11:00-12:30	Success Stories and Cooperation Highlights – Moderator: Dr. Rana Samara
11:00-11:20	Jürgen Dammers, Irene Neuner, Christoph Lerche, Ahmad Hasasneh , Hussein AlMasri, Abdul-Rahman Sawalma, Ahlam Issa, Nibal Khudeish: The Palestinian German Neuroscience Project – Aims and Perspectives
11:20-11:40	Karen Friese , Salman Salman, Andrzej Grzechnik, Jörg Voigt, Nour Maraytta, Sabreen Hammouda, Asma Qdemat, Kinan Al-Namourah, Mohammad Maswada, Emanuel Kentzinger, Manuel Angst: Palestinian-German cooperation at Jülich Centre for Neutron Science: the role of neutron, synchrotron and high field experiments
11:40-12:00	Christina Kuchendorf, Silvia Schrey, Sharaf AlTardeh The PalGer COMPASSES cooperation - nutrient transfer to Palestinian barley cultivars under difficult soil conditions
12:00-12:15	Mohammed Herzallah Thomas Brückel Arnd Kuhn Heba Fatafta (ICS-6 and BZU), Abdallah Sayyed-Ahmad (BZU), Birgit Strodel (ICS-6 and HHU Düsseldorf): Unraveling the interactions between Alzheimer's peptide and lipid membranes
12:15-12:30	Open discussion
12:30-13:30	Lunch
13:30-16:30	Management meeting / High level meeting (ministry representative, university presidents, chairman of Jülich board, directors etc.)- Moderated by Prof. Marwan Awartani and Prof. Ghaleb Natour
13:30-14:00	Short introduction of participants
14:00-16:30	<ul style="list-style-type: none">• Dr. Samer Jarrar Results of Project Evaluation,• Prof. Dr.-Ing. Wolfgang Marquardt: The "Jülich Model" and JARA as special examples for structured cooperation between a national research centre and universities• Alexandra Rosenbach, Helmholtz Association of German Research Centers HGF: The internationalization strategy and funding instruments for international cooperation of the Helmholtz Association of German Research Centers• Dr. Giorgio Paolucci, Scientific Director, SESAME Jordan , Presentation of SESAME• Dr. Ali Abdelhamid, An Najah University, An Najah University's experience with PhD programs in Palestine• Dr. Andro Kacharava, Experience with first SMART Labs of the Georgian-German Science Bridge• moderated discussion
16:30	Transfer to hotel
18:00-20:00	Cultural & Entertainment Evening at Ramallah City Hall

Date: Monday, 8 April Progress reports and new project plans

Hall: Ground floor (Hall 1, Hall 2, Hall 3)

08:00-08:30	Transfer from Hotel
	New cooperation opportunities
09:00-09:15	Ghaleb Natour (ZEA-1), Harald Glückler (ZEA-1): Challenges in the development of scientific devices and equipment
09:15-09:30	Hans Ströher (IKP-2): Research opportunities in Particle and Nuclear Physics
09:30-09:45	Bernd Neumaier (INM-5): Research opportunities in Nuclear Chemistry
09:45-10:00	Coffee break
	Progress reports of ongoing cooperation projects
	Hall 1: Technical Sciences Chair: Prof. Dr. Thomas Brückel , Co-Chair: Dr. Muayad Abu Saa
10:00-10:15	Occupant behavior integration into building design process and performance simulation Mohcine Chraibi (IAS-7), Sameer Abu-Eisheh (ANU), Ghadeer Derbas (IAS-7)
10:15-10:30	Experimental investigation of gender influence on the fundamental diagram for pedestrian dynamics Rudina Subaih, Mohammed Maree (AAUP), Mohcine Chraibi (IAS-7)
10:30-10:45	Effect of the anisotropical material behavior of LiCoO ₂ on the stress state of Lithium ion battery cathodes Robert Mücke (IEK-1), Ashraf Hadoush (PTUK), Fadi Shaheen (IEK-1)
10:45-11:00	Raman Spectroscopy analysis of silicon precursor layers for liquid phase crystallized solar cells Uwe Rau (IEK-5), Othman Zalloum (PPU), Suheir Nofal (IEK-5, PPU)
11:00-11:15	A Rogowski-type Beam-position Monitor for JEDI at COSY Hans Ströher (IKP-2), Falastine Abusaif (IKP-2)
11:15-11:30	Hyperfine fields of magnetic adatoms on MgO/Ag (001) Sufyan Shehada (IAS-1/PGI-1), Manuel dos Santos Dias (IAS-1/PGI-1), Filipe Souza Mendes Guimaraes (IAS-1/PGI-1), Samir Lounis (IAS-1/PGI-1), Muayad Abusaa (AAUP)
11:30-11:45	Magnetization and magnetocaloric effect in MnFe ₄ Si ₃ Nour Maraytta (JCNS-2/PGI-4), Vladimir Hutanu (RWTH), Yurii Skourskii (Helmholtz-Zentrum Dresden-Rossendorf), Jörg Voigt (JCNS-2/PGI-4), Karen Friese (JCNS-2/PGI-4), Markus G. Herrmann (JCNS-2/PGI-4), Jörg Persson (JCNS-2/PGI-4), Salman Salman (AQU), Thomas Brückel (JCNS-2/PGI-4)
11:45-12:00	Lu ₂ Fe ₃ O ₇ : a quest for ferroelectricity by charge order Sabreen Hammouda (JCNS-2/PGI-4), Manuel Angst (JCNS-2/PGI-4)
	Hall 2: Plant and Geosciences Chair: Dr. Ladislav Nedbal , Co-Chair: Prof. Shehdah Jodeh
10:00-10:15	Towards establishing pilot algae turf scrubber to treat waste water effluents: lessons learned from the 2018 PGSB workshop in Hebron Rami Arafeh (PPU), Loay Alshawamreh (IBG-2), Steven Calahan (IBG-2), Christina Kuchendorf (IBG-2), Silvia Schrey (IBG-2), Ladislav Nedbal (IBG-2)
10:15-10:30	Parent materials, red colors and weathering intensities of soils in Palestine and Jordan Bernhard Lucke (FAU Erlangen), Roland Bol (IBG-3), Mutaz Qutob (AQU), Mahmoud Zaid (IBG-3)
10:30-10:45	The effectiveness of modified light expanded clay for the removal of nitrate and phosphate from groundwater when integrated within constructed wetlands systems Roland Bol (IBG-3), Mohannad Jazzar (HU), Rawan Mlih (IBG-3)

	Hall 3: Life Sciences and Neurosciences Chair: Prof. Dr. Bernd Neumaier , Co-Chair: Dr. Hussein Almasri
10:00-10:15	Nanoparticle-membrane interaction: the effect of electric charge (Thorsten Auth (ICS-2), Abdallah Sayyed-Ahmad (BZU), Sameh Othman (ICS-2, BZU)
10:15-10:30	Neuronal differentiation and network formation depending on mechanical signals and function (Bernd Hoffmann (ICS-7), Feras Fayed Al Battah (AAUP), Samar Tarazi (ICS-7), Mahmoud Ardah (ICS-7, AAUP)
10:30-10:45	New pharmacological strategy for breaking the cellular membrane barriers and improving drug delivery efficiency (Agnes Csiszar (ICS-7), Yousef Najajreh (AQU)
10:45-11:00	Development of a dedicated brain phantom for hybrid PET-MRI acquisition (Simone Beer (INM-2), Ghaleb Natour (ZEA-1), Lotfi Talalwa (ZEA-1)
11:00-11:15	Trimodal imaging MR-PET-EEG (Irene Neuner (INM-4), Abed Al-Naser Assi (AAUP), Hasan Sbaih (INM-4)
11:15-11:30	Multimodal Data Integration (Irene Neuner (INM-4), Mohammad Herzallah (AQU), Nibal Khudeish (INM-4)

11:30-11:45	Evaluation of a next-generation brain PET insert UHR MRI with an improved spatial resolution, axial field of view and sensitivity (Ahlam Issa (INM-4), Christoph Lerche (INM-4), Husein AlMasri (AQU)
11:45-12:00	Deep learning in neuroimaging (Jürgen Dammers (INM-4), Ahmad Hasasneh (PAU)
12:30-13:30	Lunch
13:30-16:00	Round table networking session/ EXPO
16:30	Transfer to Hotel

Date: Tuesday 9 April – Poster presentation and assessment for shortlisted applicants / Networking Day

Hall: Roof 11th floor

08:00-08:30	Transfer from Hotel
09:00-12:30	Poster presentation and assessment for shortlisted applicants
12:30-13:30	Lunch
13:30-15:00	Continuation: Poster presentation and assessment for shortlisted applicants
15:00-16:30	Business meeting of the Advisory Committee and Steering Committee and Jülich Delegation on “PGSB and beyond – Plans and perspectives for follow-up activities
15:00-16:30	Parallel session: Networking Session for students and newly associated scientists
16:30	Transfer to hotel

Date: Wednesday, 10 April – Evaluation of fellowship applications and acceptance decision - Culture Day - Networking Day

09:00-09:30	Transfer from Hotel
09:30-12:30	Evaluation of fellowship applications and decision on acceptance by the Advisory Committee
12:30-13:30	Lunch
	Networking Day

Date: Thursday, 11 April - Departure

Transfer from hotel to airport