



QUALI-START-UP LECTURES 2019

Visit of Georgian Students to Forschungszentrum Jülich, 9th – 13th September 2019



MONDAY, SEPTEMBER 9, 2019

	IKP-2	IEK-8	INM-4	INM-5	ZEA-1	ZEA-2	PGI-6	IBG-2
8:00	Bus from Jülich (Walramplatz) to Forschungszentrum (FZ Jülich)							
8:30	Arrival at Forschungszentrum; Visitor badges							
9:00	Campus tour by bus							
10:00	Opening Session: Welcome <i>H. Ströher (IKP)</i> Blg. 07.1, R. 312							
10:15	Opening Session: Introduction to FZ Jülich <i>S. Schmidt (VS-I)</i> Blg. 07.1, R. 312							
10:45	Break/Photosession							
11:15	Opening Session: Soft skills <i>Jon Shah (INM-4)</i> Blg. 07.1, R. 312							
12:00	Lunch Break							
14:00	IKP Kick-off: Lecture Structure of Matter <i>H. Ströher</i> Blg. 07.1, R. 312	IEK-8 Kick-off Lecture: Introduction to Atmospheric Chemistry <i>R. Wegener</i>	INM-4 Kick-off Lecture: Introduction to Magnetic Res. Imaging (MRI) <i>J. Shah</i> Blg. 15.14, R. 201	INM-5 Kick-off Lecture: Introduction to Nuclear Chemistry <i>J. Ermert</i> Blg. 15.19, R. 4012	ZEA-1 Kick-off Introduction: Simulations and Technologies <i>J. Walters, F. Pauly, H. Glückler, S. Rath</i> Blg. 02.5, R. 110	ZEA-2 Kick-off Introduction (jointly with ZEA-1) Future Computer Architectures <i>C. Degenhardt and M. Schiek</i> Blg. 02.5, R. 110	PGI / JuSPARC Welcome: Introduction to Research Topics and Facilities <i>M. Büscher</i> Blg. 04.8, R. 270	IBG-2 Kick off Algal Biomass: (ABB): Nutrient cycling <i>L. Nedbal et al.</i> Blg. 06.1, R. 239 (Imaging): Software development <i>H. Scharr</i> Blg. 06.2, R. 406
15:00	IKP Kick-off Q&A: Session <i>D. Gotta and H. Ströher</i> Blg. 07.1, R. 312							
17:30	End-of-Day: Transfer from FZ Jülich to Jülich							

TUESDAY, SEPTEMBER 10, 2019

	IKP-2	IEK-8	INM-4	INM-5	ZEA-1	ZEA-2	PGI-6	IBG-2
8:28	Public Bus (#220) from Jülich (Walramplatz) to FZ Jülich							
8:57	Arrival at Forschungszentrum Stop „Strahlenschutz“ - Walk to Institutes							
9:00	Start of the Daily Programm							
9:00	Interaction of Radiation with Matter - Basics <i>D. Gotta (IKP)</i>	Hands-on Training: Simulating Atmospheric Chemistry (I) <i>R. Wegener</i>	Advanced MRI-Methods <i>E. Farrher</i> Blg. 15.2z, R. 218	F-18 Labeling Chemistry <i>B. Neumaier</i> Blg. 15.19, R. 4012	Construction and Numerical Simulations <i>H. Glückler, J. Walters</i> Building 02.3, Entrance E1	Introduction to Brain Pet <i>D. Arutinov</i>	Introduction to JuSPARC: Facility and Research <i>M. Büscher</i> Blg. 04.8, R. 270	(ABB): Operating Algal Turf Scrubber <i>D. Calahan</i> Blg. 06.1, R. 239 (Imaging): Robot programming <i>A. Fischbach</i> Blg. 06.1, R. 406
9:45	Q&A Session <i>D. Gotta et al.</i>							
10:30	Break							
11:00	Introduction to IKP Laboratories <i>I. Keshelashvili</i>						JuSPARC Tour: <i>C. Creb, C. Tische</i>	
12:00	Lunch Break							
14:00	IKP Lab Training (I) <i>I. Keshelashvili</i>						LabCourse JuSPARC X-ray Experiments <i>R. Adam</i>	
	Daily Wrap-up NN						Daily Wrap-up <i>M. Büscher</i> Blg. 04.8, R. 270	
17:30	End-of-Day: Transfer from FZ Jülich to Jülich							

WEDNESDAY, SEPTEMBER 11, 2019

	IKP-2	IEK-8	INM-4	INM-5	ZEA-1	ZEA-2	PGI-6	IBG-2
8:28	Public Bus (#220) from Jülich (Walramplatz) to FZ Jülich							
8:57	Arrival at Forschungszentrum Stop „Strahlenschutz“ - Walk to Institutes							
9:00	Start of the Daily Programm							
9:00	Tour of IKP Accelerator Facilities	How to Analyze Mass Spectrometric Data <i>T. Mentel</i>	Introduction to MRI-PET <i>P. Lohmann</i> Blg. 15.14, R. 102	Options and Requirements to work at INM-5 Blg. 15.19, R. 4012	Physical Measurement Techniques <i>H. Glückler, R. Lohoff</i> Blg. 02.3, Entrance E1	Introduction to GPR <i>A. Mester</i>	Pump-probe Experiments at JuSPARC <i>R. Adam</i>	Options and Requirements to work at IBG-2 <i>H. Scharr</i> Blg. 06.2, R. 406
10:30	Break							
11:00	Options for BSc, MSc, PhD at IKP <i>A. Kacharava et al.</i>						Daily Wrap-up <i>M. Büscher</i> Blg. 04.8, R. 270	
12:00	Lunch Break							
14:00	<h3 style="margin: 0;">Visit to Aachen</h3> <p style="margin: 0;">RWTH Aachen University, Prof. Achim Stahl, Physikzentrum, R. 26C201, Otto-Blumenthal-Straße, 52074 Aachen and City Tour</p>							
20:00	End-of-Day: Transfer from Aachen to Jülich							

THURSDAY, SEPTEMBER 12, 2019

	IKP-2	IEK-8	INM-4	INM-5	ZEA-1	ZEA-2	PGI-6	IBG-2
8:28	Public Bus (#220) from Jülich (Walramplatz) to FZ Jülich							
8:57	Arrival at Forschungszentrum Stop „Strahlenschutz“ - Walk to Institutes							
9:00	Start of the Daily Programm							
9:00	Hands-on Lab Training <i>I. Keshelashvili</i>	Hands-on Training: Simulating Atmospheric Chemistry <i>R. Wegener</i>	Introduction to Magnetoencephalography (MEG) <i>J. Dammers</i> Blg. 15.14, R. 102	Hands-on Training: Radiolabeling, Meeting point <i>Blg. 15.19, R. 4012 afterwards labs at Blg. 15.19 and 5.2</i>	Tour Mechanical Workshop <i>H. Glückler, K. Dahlhoff</i> Blg. 03.1, Entrance E1	Introduction to Quantum Computing <i>C. Degenhardt</i>	Particle Acceleration with High Power Lasers <i>A. Hützen</i> Blg. 04.8, R. 270	(ABB): Algal Biomass Analytics <i>I. Meuser, Lu Gao</i> Blg. 06.1, R. 239 (Imaging): Image Analysis <i>H. Scharr</i> Blg. 04.2, R. 406
10:30	Break							
11:00		Atmospheric Measurements with small Drones <i>R. Tillmann</i>					Visit of Jülich Supercomputing Centre (JSC) <i>P. Gibbon</i> Blg. 16.4	
12:00	Lunch Break							
14:00							LabCourse at JuSPARC-MIRA <i>R. Engels</i>	
	Daily Wrap-up						Daily Wrap-up <i>M. Büscher</i> Blg. 04.8, R. 270	
17:30	End-of-Day: Transfer from FZ Jülich to Jülich							

FRIDAY, SEPTEMBER 13, 2019

	IKP-2	IEK-8	INM-4	INM-5	ZEA-1	ZEA-2	PGI-6	IBG-2
8:28	Public Bus (#220) from Jülich (Walramplatz) to FZ Jülich							
8:57	Arrival at Forschungszentrum Stop „Strahlenschutz“ - Walk to Institutes							
9:00	Start of the Daily Programm							
9:00	Hands-on Lab Training <i>I. Keshelashvili</i>	Isotopes in Atmospheric Measurements <i>I. Gensch</i>	Hardware <i>Chang-Hoon Choi</i> Blg. 15.14, R. 102	Hands-on Training: Preclinical Evaluation <i>P. Krapf</i> Meeting point Blg. 15.19, R. 4012 afterwards labs at Blg. 15.19 and 5.2	Joining Technologies <i>H. Glückler, W. Behr</i> Blg. 02.3, Entrance E1	Introduction to IPS <i>J. van de Boom</i>		(ABB): Crop Plants on Algal Biomass <i>S. Schrey</i> Blg. 06.1, R. 239 (Imaging): Data Management for AP applications <i>C. Päßler, H. Scharr</i> Blg. 06.2, R. 406
10:30	Break							
11:00	Student Prep. of Talks <i>A. Kacharava</i>	Student Prep. of Talks	Student Prep. of Talks Blg. 15.14, R. 102	Student Prep. of Talks	Student Prep. of Talks <i>H. Glückler</i> Blg. 02.3, R. 117	Student Prep. of Talks	Student Prep. of Talks <i>M. Büscher</i> Blg. 04.8, R. 240	Student Prep. of Talks <i>Nedbal/Scharr</i> Blg. 06.1, R. 239 & Blg. 06.2, R. 406
12:00	Lunch Break							
14:00	Student Presentations (by respective groups) Blg. 07.1, R. 312 Certificates							
17:00	BBQ at IKP							

LIST OF PARTICIPANTS OF QUALI-START-UP LECTURES 2019

Ninea Anasovi
 Nino Batselashvili
 Mariam-Elizabeth Godziashvili
 Giorgi Ichkitadze
 Mikheil Kushashvili
 Avtandil Lomidze
 Aleksandre Maisuradze
 David Togonidze
 Gigia Aptsiauri
 Magda Aptsiauri

Sergi Betkoshvili
 Lela Bukhnikashvili
 Gizo Dolidze
 Nodar Dumbadze
 Davit Gharibiani
 Otari Gokhadze
 Natia Inadze
 Mari Jananashvili
 Tamar Khatisashvili
 Sandro Khizanishvili

Giorgi Kobidze
 Marika Kodua
 Dachi Okropiridze
 Mariam Razmadze
 Lana Rekhviashvili
 Salome Shekiladze
 Giorgi Tabunidze
 Aluda Tchelidze

