

First Conference of Scientific Cooperation between Lower Saxony and Israel



organized by Braunschweigische Wissenschaftliche Gesellschaft



06th - 07th October 2013, Leibnizhaus, Hannover (Germany)

Since 1977 the *Ministry of Science and Culture of Lower Saxony* has funded research projects between universities and research institutes from Lower Saxony with the Hebrew University or the Technion in Israel. Due to this funding many highly innovative research projects have been initiated and transformed into intensive ongoing research collaborations between both countries. This research funding is the basis of stable and fruitful partnerships between researchers from Lower Saxony and Israel. During the last few years, early-stage scientists from both countries have been involved. The involvement of the younger generation will ensure a fruitful future collaboration between both countries.

The "*First Conference of Scientific Cooperation between Lower Saxony and Israel*" is intended to be a platform for the presentation of ongoing research collaborations. Here the latest results will be presented and discussed with a broader audience. New collaborations could be initiated and younger researchers attracted to exciting new project ideas. This conference will be set up to show the high scientific level of collaborations in various areas of science and humanities. Additionally, younger researchers will have the opportunity to find partners for future collaborations by presenting their new ideas. The conference will

be held every two years and will become a recurring part of the research funding activities of Lower Saxony.

The research partners in each project will have the chance to present results via oral or poster presentations. A certain number of travel grants for oral presenters and young investigators will be available. The submitted abstracts will be evaluated by a scientific committee. During the poster presentation, young researchers from both countries will have the chance to present themselves and their research ideas in order to gain valuable contacts with researchers from the partner country. This partnering will be further developed within the next few conferences. This is envisaged to be the second pillar of the biannual conference.

The "*First Conference of Scientific Cooperation between Lower Saxony and Israel*" will be organized by the Braunschweigische Wissenschaftliche Gesellschaft (President Prof. Dr. Joachim Klein). The scientific organizing committee of the first conference consists of Prof. Dr. Yuval Shoham, Technion, Haifa; Prof. Dr. Shimshon Belkin, Hebrew University Jerusalem; Prof. Dr. Joachim Wolschke-Bulmahn, Leibniz Universität Hannover and Prof. Dr. Thomas Scheper, Leibniz Universität Hannover.

Sponsors

Ministerium für Wissenschaft und Kultur Niedersachsen (MWK), Freundeskreis der Leibniz Universität Hannover, Sartorius AG, Symrise AG

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Sunday - 06.10.13		Monday - 07.10.	
	09:30 Pre-conference Sightseeing (details will follow shortly)		8:30 Heroes and role models in Germany and Israel, G. Yair, Y. Girsh, S. Alyan, H. Hues, E. Or
	11:45 Registration and Lunch Buffet Leibnizhaus Hannover	Humanities	09:00 Development of relationships during infancy – Risk and protective factors in minority and majority families in Germany and Israel, H. Keller, H. Otto, O. Tishby, D. Roer-Strier
	12:45 Welcome Notes		09:30 Transfer between parents and adult children in migrant families from the former Soviet Union – Germany and Israel compared, C. Vogel, S. Shiovitz-Ezra
Medicine	13:00 Uncovering the regulatory network controlling aggressive breast cancer subtype identity, U. Lehmann, J. Rößler, R. Z. Granit, I. Ben-Porath		10:00 Coffee Break
	13:30 Novel phosphorylation sites on immune adaptor proteins fine tune immune responsiveness, D. Yablonski, J. Wienands	Natural Sci.: Chemistry	10:30 Bridging between homogeneous and heterogeneous catalysis, R. Abu-Reziq, A. Kirschning
	14:00 RNA-protein interactions during viral infections and inherited immunodeficiencies, J. Bohne, Y. Mandel-Gutfreund		11:00 Investigation of novel titanium compounds as potential anticancer drugs, J. Schur, C. M. Manna, A. Deally, R. W. Köster, M. Tacke, E. Y. Tshuva, I. Ott
	14:30 Perturbation of intestinal epithelial homeostasis by enteropathogenic E. coli, I. Rosenshine, M. Hornef		11:30 Development of drugs against malaria and leishmaniasis, two fatal tropical infectious diseases, C. L. Jaffe, R. Dzikowski, C. Kunick
	15:00 Mechano-sensitivity of human mesenchymal stem cells, F. Rehfeldt, A. Zemel		12:00 Poster Lunch
15:30 Coffee Break		Natural Sci.: Molecular Biol.	13:30 Cardiac tube morphogenesis: what can we learn from flies, A. Paululat, T. Volk
Environmental Sciences	16:00 Personal care products as source for micropollutants in greywater - identification, quantitation and on-site treatment, O. Olsson, Y. Dubowski, E. Friedler, K. Kümmerer		14:00 Identification and characterization of novel factors required for the formation of functional cilia, M. Stauber, M. Weidemann, A. Gossler, E. Bengal
	16:30 The effect of biofilms on hydraulic properties of porous media, W. Dumer, S. C. Iden, A. Furmann, R. Rosenzweig, H. Rosenkranz, U. Shavit		14:30 The different roles of the ubiquitin-like protein SUMO in cellular regulation, A. Biram, K. B. Meir, M. Breker, M. Schuldiner, R. Geiss-Frielandler, T. Ravid
	17:00 Real-time monitoring of N-species isotopologues by FTIR spectroscopy – a novel tool to investigate short-term isotopic dynamics and N ₂ O formation in soil, R. Linker, N. Wrage, S. Avrahami, R. Well, H. Flessa, Y. Dubowski, A. Shavit	Natural Sci.: Material Sciences	15:00 Coffee Break
	17:30 The role of dispersive stresses in canopy flow models, K. Koll, U. Shavit, S. Asher, S. Niewerth		15:30 Interfacial oxygen transport in metal oxide superlattices, M. Schulz, H. Fritze, A. Rothschild
	18:00 R&D Cooperation between Israel and Germany - a permanent challenge? H. Eikenberg		16:00 Physical phenomena related to the adsorption of self-assembled-monolayers (SAM) on the surface of liquid metals, A. Iakovlev, M. Müller, B. Haimov, B. Pokroy
	18:30 Various Notes	New Energies	16:30 Production of algal biomass from industrial CO ₂ -rich flue gasses for biofuel and valuable compounds, R. Armon, T. Friedl, F. Kirzner, A. Kryvenda, C. Müller, R. Tischner
19:00 Conference Dinner Buffet		17:00 Rust to riches: Iron oxide photoanodes for solar-powered water splitting, A. Rothschild	
21:00 End of Day 1		17:30 Concluding Remarks	
		18:00 BIOTECHNICA Evening Event Fair Grounds	