


External partners

Institution	Contact	Field of expertise for cooperation in ISTPlus	Range of potential activities
 <p>Cold Spring Harbor Laboratory DNA LEARNING CENTER</p> <p>web: http://www.dnalc.org</p>	<p>Christine Marizzi, Ph.D.</p> <p>Lead, <i>Urban Barcode Project</i> and <i>Urban Barcode Research Program</i></p> <p>cmarizzi@cshl.edu</p> <p>2351 First Avenue, New York, NY 10035</p> <p>Phone: 212-289-2817</p>	<p>The DNA Learning Center (DNALC) is an operating unit of Cold Spring Harbor Laboratory, extending its traditional research and postgraduate education mission to the public and students at all levels. Founded in 1988 as the world's first dedicated genetics education center, the DNALC is the largest provider of student lab instruction in molecular genetics – providing hands-on experiences for over 30,000 students a year. Recognized with a 2012 Science Magazine Prize for Online Resources in Education, the DNALC is one of the largest providers of multimedia learning materials for biology education. Its family of 23 sites, YouTube Channel, and phone/tablet apps receive 7 million visitors annually. Programs developed by the DNALC – such as the Urban Barcode Project and Barcode Long Island, student-driven Citizen Science biodiversity research programs, are being replicated worldwide. These are supported by the DNALC's free, online, user-friendly bioinformatics infrastructure resources (the DNA Subway Blue Line for sequence comparisons and DNALC Barcoding 101 for program support and data management; Red Line for gene annotation, and Green Line for RNA seq), which democratize high level sequence analyses.</p>	<p>We commit to hosting one postdoctoral fellow for a period of up to six months. The candidate will gain experience in DNALC's signature science communication and outreach activities and work directly with DNALC staff on project development, possibly including a new Purple Line for metabarcoding analysis. Candidates trained in life sciences and/or bioinformatics would be the best fit. In addition, we will foster interactions between IST and the DNALC through staff visits and talks.</p>



application@lead-discovery.de (please refer in your e-mail to the ISTPlus program)

Drug Discovery

Secondments, Staff exchange, collaborative project planning



Weblink: www.joanneum.at

Strategic Planning
 DI Helmut Wiedenhofer
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 MMag. Andreas Schafranek
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Joint events, trainings, collaborative project planning, proposal checks

HEALTH - Institute for Biomedicine and Health Sciences
 Univ.-Prof. Dr. Thomas Pieber
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 Priv.-Doz. DI Dr. Frank Sinner
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Research Groups

- Biomedical Tissue Monitoring
- Bioanalysis and Metabolomics
- Health Sciences
- Expert group Clinical Decision Support
- Expert group Medical Sensors


Research Areas

HEALTH is committed to research in the medical field and health-related disciplines. It has strategically positioned itself at the crossroads of technology and medicine, and addresses client needs by translating medical necessity into technical reality. Our scientific expertise in the fields of medicine, pharmaceutical sciences, biotechnology and health economics is grouped into the following customer-oriented research areas:

- Pharmacokinetics, Pharmacodynamics, Bioequivalence
- Bioanalysis and Pharmaceutical analysis

Staff exchange, trainings, collaboration, common project proposals

	<ul style="list-style-type: none"> • Metabolomics • Medical Sensors • Clinical Decision Support • Health Economics and Outcome Research • Planning of Health Care Structures and Processes 	
<p>ROBOTICS - Institute for Robotics and Mechatronics</p> <p>Univ.-Doz. DI Dr. Michael Hofbauer michael.hofbauer@joanneum.at</p> <p>DI Dr. Mathias Brandstötter mathias.brandstoetter@joanneum.at</p>	<p>Research Groups</p> <ul style="list-style-type: none"> • Cognitive Robotics • Mechatronic Systems • Robotic Systems <p>Research Areas</p> <p>The combination of ultramodern equipment and infrastructure together with the broad spectrum of subject areas and expertise at the institute ROBOTICS enable the development of pioneering solutions and the provision of innovative scientific services. These solutions and services go beyond classic system integration and incorporate the specialist areas of sensitive and collaborative robotics with particular attention to robot safety and modern automation technology ultimately extending to artificial intelligence.</p> <ul style="list-style-type: none"> • Collaborative human-robot interaction • Safety-oriented perception • Machine task planning and execution • Redundant and modular robot systems • Safety-compliant mechatronic mechanisms and robots • Dynamic task and motion planning of complex mechanisms • Control theory and automation • Mobile manipulation • Software- and systems engineering for robotic systems • Cybersecurity and security architectures for robotic systems 	<p>Staff exchange, joint events, collaborative project planning, trainings</p>

	<p>DIGITAL - Institute for Information and Communication Technologies</p> <p>DI Dr. Heinz Mayer heinz.mayer@joanneum.at</p> <p>DI Harald Mayer harald.mayer@joanneum.at</p>	<p>Research Groups</p> <ul style="list-style-type: none"> • Remote Sensing and Geoinformation • Machine Vision Applications • Space and Communication Technology • Connected Computing • Intelligent Acoustic Solutions <p>Research Areas</p> <p>We are one of the leading international research partners and centers of competence in the field of information and communications technology. We will develop innovative solutions together with industry partners through project status.</p> <ul style="list-style-type: none"> • Industrial Metrology, Sensors and Robotics • Security and Mobility • Culture and Media • Intelligent Information Systems and Mobile Solutions • Ambient Assisted Living (AAL) and Human Factors • Remote Sensing and Environmental Monitoring • Space Communication Technology • Intelligent Acoustic Solutions 	<p>Secondments, in particular in the area of machine vision applications, e.g. industrial quality control, autonomous driving</p>
 <p>Weblink: www.profactor.at</p>	<p>Christian.woegerer@profactor.at</p>	<p>Applied production research industrial assistive systems and additive micro/nano manufacturing</p>	<p>Secondments, joint events and presentations</p>