



Action BM1205
Biomedicine and Molecular Biosciences

COST Grant System
31 October 2013

Action BM1205 Fact Sheet

Title

European Network for Skin Cancer Detection using Laser Imaging

Contacts

MC Chair	Science Officer:	Administrative Officer:
Prof Dragan INDJIN Tel. +441133432082 Fax. +441133437265 d.indjin@leeds.ac.uk	Dr Inga DADESHIDZE COST Office inga.dadeshidze@cost.eu +3225333817	Ms Jeannette NCHUNG COST Office jeannette.nchungoru@cost.eu +32 2 533 38 50

Details

Draft Mou: oc-2012-1-11356	Mou: BM1205-MoU
Start of Action: 19/03/2013	Entry into force: 08/01/2013
End of Action: 18/03/2017	CSO approval date: 21/11/2012

Objectives

The Action will provide an interdisciplinary framework to enhance interaction activities within the field of optical biosensing, between world-class academic groups, labs and system integrators from industry. It will exploit novel laser sources and innovative feedback interferometry in specific biomedical applications. Recent developments in the design of solid-state laser sources at near-infrared, mid-infrared and terahertz frequencies, coupled with novel self-mixing approaches to signal detection and the integration of these into imaging platforms, provide a way forward in the design of the next generation of detection systems. Specifically, we propose extending the noninvasive interrogation of skin tissue into these frequencies. The Action will exchange knowledge, explore and compare technology platforms and perform clinical validation and evaluation of new devices which will permit detection of both the changes in skin lesions and disordered blood flow patterns and tissue perfusion typical of malignancy. The COST scheme is an ultimate choice for this network as it will bring together COST-countries academia, industry and clinical end-users which would be virtually impossible through any other European funding mechanism.

Parties

Country	Date	Country	Date	Country	Date	Country	Date
Austria	19/02/2013	Belgium	04/02/2013	Croatia	12/03/2013	Denmark	15/02/2013
Estonia	04/02/2013	Finland	08/01/2013	France	09/01/2013	Germany	17/01/2013
Ireland	04/02/2013	Italy	07/01/2013	Latvia	29/04/2013	Lithuania	05/03/2013
Malta	23/03/2013	Norway	11/03/2013	Poland	10/07/2013	Portugal	24/04/2013
Romania	02/08/2013	Serbia	24/12/2012	Spain	28/11/2012	Sweden	07/02/2013
Switzerland	27/02/2013	Turkey	22/04/2013	United Kingdom	27/11/2012		

Total: 23



Action BM1205
Biomedicine and Molecular Biosciences

COST Grant System
31 October 2013

Intentions to accept the MoU

Country	Date	Country	Date	Country	Date	Country	Date
---------	------	---------	------	---------	------	---------	------

Total: 0

Working Groups

None

Website

None

Management Committee

Chair	Vice Chair
Prof Dragan INDJIN University of Leeds School of Electronics and Electrical Engineering, Woodhouse Lane LS2 9JT Leeds United Kingdom d.indjin@leeds.ac.uk	Dr Santiago ROYO santiago.royo@upc.edu
Domain Committee Rapporteur	
Prof Aleksandar DIMOVSKI DC Rapporteur of BM1205 BMBS Department of Biomolecular Sciences, Institute of Pharmaceutical Chemistry, Faculty of Pharmacy, University St. Cyril and Methodius Vodnjanska 171000 Skopje FYR Macedonia adimovski@ff.ukim.edu.mk	

Austria

Prof Iris ZALAUDEK MC Member Medical University of Graz Auenbruggerplatz 88036 Graz Austria iris.zalaudek@gmail.com	Prof Rainer HOFMANN-WELLENHOF MC Substitute (not yet registered) rainer.hofmann@medunigraz.at PENDING
---	--

Belgium

Prof Krassimir PANAYOTOV MC Member Vrije Universiteit Brussel Pleinlaan 21050 Brussels Belgium kpanajot@b-phot.org	Prof Geert VAN STEENBERGE MC Member Ghent University Technologiepark 914A9052 Zwijnaarde Belgium geert.vansteenberge@elis.ugent.be
--	--

Croatia

Prof Mirna SITUM MC Member Sestre milosrdnice University Hospital Centre Sestre milosrdnice University Hospital Centre, Department of Dermatovenereology 10000 Zagreb Croatia mirna.situm@kbcs.hr	Dr Marija BULJAN MC Substitute University Hospital Centre Sestre milosrdnice Vinogradska 2910 000 Zagreb Croatia buljan.marija@gmail.com
---	--

Denmark

Dr Peter E. ANDERSEN MC Member Technical University of Denmark Frederiksborgvej 399 4000 Roskilde Denmark peta@fotonik.dtu.dk	
---	--



Action BM1205
Biomedicine and Molecular Biosciences

COST Grant System
31 October 2013

Estonia	
<p>Prof Kalju MEIGAS MC Member Tallinn University of Technology Ehitajate tee 5, 19086 Tallinn, Estonia 19086 Tallinn Estonia kalju@cb.ttu.ee</p>	<p>Dr Andres UDAL MC Member Tallinn University of Technology Ehitajate tee 519086 Tallinn Estonia andres.udal@ttu.ee</p>

Finland	
<p>Prof Risto MYLLYLÄ MC Member Department of Electrical Engineering Erkki Koiso-Kanttilankatu 390014 Oulun yliopisto Finland risto.myllyla@ee.oulu.fi</p>	<p>Prof Jukka HAST MC Substitute VTT Kaitovyl 190571 Oulu Finland Jukka.Hast@vtt.fi</p>

France	
<p>Prof Thierry BOSCH MC Member CNRS7, avenue du Colonel Roche 31077 Toulouse Cedex 4 France Thierry.Bosch@enseeiht.fr</p>	<p>Prof Guy PLANTIER MC Member Ecole Supérieure d'Électronique de l'Ouest Groupe ESEO, 10 boulevard Jeanneteau, CS 9071749107 ANGERS France guy.plantier@eseo.fr</p>
<p>Prof Eric LACOT MC Substitute Université Joseph Fourier - Grenoble 1140 Avenue de la Physique 38402 Saint Martin d'Hères France eric.LACOT@ujf-grenoble.fr</p>	

Germany	
<p>Dr Sven HOFLING MC Member Physikalisches Institut Universität Würzburg, Technische Physik, Am Hubland 97074 Würzburg Germany sven.hoefling@physik.uni-wuerzburg.de</p>	<p>Dr Johannes KOETH MC Member nanoplus Nanosystems and Technologies GmbH Oberer Kirschberg 497218 Gerbrunn Germany koeth@nanoplus.com</p>

Ireland	
<p>Dr Guillaume HUYET MC Member Cork Institute of Technology Bishopsdown NA Cork Ireland guillaume.huyet@tyndall.ie</p>	

Italy	
<p>Prof Silvano DONATI MC Member University of Pavia Via Ferrata 127100 Pavia Italy silvano.donati@unipv.it</p>	<p>Prof Maurizio DABBICCO MC Member UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO Dipartimento Interateneo di Fisica, via Amendola 17370126 BARI Italy maurizio.dabbicco@uniba.it</p>
<p>Prof Giuseppe MARTINI MC Substitute University of Pavia Via Ferrata, 127100 Pavia Italy giuseppe.martini@unipv.it</p>	



Action BM1205
Biomedicine and Molecular Biosciences

COST Grant System
31 October 2013

Latvia	
<p>Prof Janis SPIGULIS MC Member University of LatviaUniversity of Latvia, IAPS, Biophotonics LaboratoryLV-1586 RigaLatvia janis.spigulis@lu.lv</p>	
Lithuania	
<p>Prof Gintaras VALUSIS MC Member Center for Physical Sciences and TechnologyA. Gostauto 1101108 VilniusLithuania valusis@pfi.lt</p>	<p>Dr Irmantas KASALYNAS MC Substitute Center for Physical Sciences and TechnologySavanori ave. 231LT-02300 VilniusLithuania irmantak@kti.mii.lt</p>
Malta	
<p>Prof Charles SAMMUT MC Member FACULTY OF SCIENCEUNIVERSITY OF MALTAN/A - Please update this recordMSD 2080 MSIDAMalta charles.v.sammud@um.edu.mt</p>	
Norway	
<p>Prof Lise Lyngsnes RANDEBERG MC Member Norwegian University of Science and Technology (NTNU)O.S. Bragstads Plass 2A7491 TrondheimNorway Lise.Randeborg@iet.ntnu.no</p>	<p>Dr Ellen BRUZELL MC Substitute Nordic Institute of Dental MaterialsSognsveien 70 ANO-0805 OsloNorway ellen.bruzell@niom.no</p>
Poland	
<p>Dr Marcin GNYBA MC Member Gdask University of TechnologyNarutowicza 11/1280-233 GdaskPoland mgnysba@eti.pg.gda.pl</p>	
Portugal	
<p>Dr Carla CARMELO ROSA MC Member Universidade do PortoR. do Campo Alegre, 6874169-007 PortoPortugal ccrosa@fc.up.pt</p>	
Romania	
<p>Dr Paloma MANEA MC Member Petru PoniInstitute of Macromolecular ChemistryAleea Grigore Ghica Voda,nr.41A700487 IASIRomania maneacpaloma@yahoo.com</p>	<p>Dr Cristian URSU MC Member Petru Poni Institute of Macromolecular Chemistry41A Gr. Ghica Voda Alley700487 IasiRomania cristian.ursu@icmpp.ro</p>



Action BM1205
Biomedicine and Molecular Biosciences

COST Grant System
31 October 2013

Serbia	
<p>Prof Zeljka CVEJIC MC Member Faculty of Sciences Trg D. Obradovica 421000 Novi Sad Serbia zeljkac@uns.ac.rs</p>	<p>Prof Jelena RADOVANOVIC MC Member School of Electrical Engineering, University of Belgrade Bulevar kralja Aleksandra 7311120 Belgrade Serbia radovanovic@etf.bg.ac.rs</p>
<p>Prof Milica PAVKOV HRVOJEVIC MC Substitute Faculty of Sciences Trg Dositeja Obradovica 421000 Novi Sad Serbia milica@df.uns.ac.rs</p>	<p>Dr Petra BELICEV MC Substitute Vinca Institute of Nuclear Sciences Mike Petrovica Alasa 12-1411001 Belgrade Serbia petrab@vin.bg.ac.rs</p>

Spain	
<p>Prof Horacio LAMELA RIVERA MC Member Escuela Politecnica Superior Universidad Carlos III C/Butarque 15 - Leganes 28911 Madrid Spain horacio@ing.uc3m.es</p>	<p>Dr Santiago ROYO MC Member santiago.royo@upc.edu</p>
<p>Prof Marta RUIZ LLATA MC Substitute Universidad Carlos III de Madrid Butarque 1528911 Leganes Spain mruizl@ing.uc3m.es</p>	<p>Dr Susana PUIG MC Substitute (not yet registered) susipuig@gmail.com PENDING</p>

Sweden	
<p>Prof Anders LARSSON MC Member Chalmers University of Technology MC2, Photonics Laboratory, Chalmers University of Technology SE-41296 Goteborg Sweden anders.larsson@chalmers.se</p>	<p>Dr Samir EL-ANDALOUSSI MC Member Karolinska Institutet Hlsov. 714186 Huddinge Sweden samir.el-andaloussi@ki.se</p>
<p>Dr Asa HAGLUND MC Substitute Chalmers University of Technology Chalmers University of Technology, Microtechnology and Nanoscience, Photonics Laboratory SE-412 96 Gothenburg Sweden asa.haglund@chalmers.se</p>	

Switzerland	
<p>Dr Dmitri BOIKO MC Member Centre Suisse d'Electronique et de Microtechnique - CSEM Jaquet-Droz 1 CH-2002 Neuchatel Switzerland dmitri.boiko@csem.ch</p>	<p>Dr Vladimir IAKOVLEV MC Member EPFL EPFL 1015 Lausanne Switzerland vladimir.iakovlev@epfl.ch</p>

Turkey	
<p>Dr Mehmet Burcin UNLU MC Member Bogazici University Bogazici University, Department of Physics 34342 Istanbul Turkey burcin.unlu@boun.edu.tr</p>	<p>Prof Umit DEMIRBAS MC Member Antalya International University Universite Caddesi No:2, Dosemealti 07190 Antalya Turkey umit79@alum.mit.edu</p>



Action BM1205
Biomedicine and Molecular Biosciences

COST Grant System
31 October 2013

United Kingdom	
<p>Dr Alison LAYTON MC Member Harrogate and District NHS Foundation Trust Lancaster Park Road HG2 7SX Harrogate United Kingdom ALISON.LAYTON@hdfnhs.uk</p>	<p>Prof Mauro PEREIRA MC Member Sheffield Hallam University Materials and Engineering Research Institute, Howards Street S1 1 WB Sheffield United Kingdom M.Pereira@shu.ac.uk</p>
<p>Dr Paul DEAN MC Substitute University of Leeds University of Leeds, Woodhouse Lane LS2 9JT Leeds United Kingdom p.dean@leeds.ac.uk</p>	

Grant Holder		
Executive	Finance Officer	Legal Representative