



The **CREA**tion of the Department of Physical Chemistry of Biological Sys**TE**ms [CREATE] 666295 — CREATE — H2020-WIDESPREAD-2014-2015/H2020-WIDESPREAD-2014-2

Report on the selection process of the ERA Chair holder Summary

Warsaw, March 2016



This project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 666295

INTRODUCTION

Selection of ERA Chair holder was the first and most important step towards proper CREATE project implementation. Generally, the whole process took place between 1st October 2015 and 29th February 2016.

The detailed schedule of the selection process is presented on a diagram below:



THE SELECTION COMMITTEE

Before a release of an advertisement for ERA Chair holder position, the international Selection Committee (SC) was appointed. Especially, SC advised the Institute of Physical Chemistry of the Polish Academy of Sciences (IPC), supported a spread of the ad, and participated in selection proceedings.

SC was composed **of scientists** from different countries, incl. **ERC grants holders** (gender in brackets), having expertise in biochemical sciences – i.e.:

- Professor Wilhelm Huck from Radboud University, Nijmegen, Netherlands (M)
- Professor Johan Hofkens from KU Leuven, Belgium (M)
- Professor Kylie Vincent from Oxford University, UK (F)
- Professor dr habil Robert Holyst, IPC, Warsaw, Poland (M)
- Professor dr habil Piotr Garstecki, IPC, Warsaw, Poland (M)
- Professor dr habil Andrzej Dziembowski, Faculty of Biology, Warsaw University, Warsaw, Poland (M).

Especially, it is worth mentioning that selected SC members are very well acquitted with IPC, its research profile and know main research groups leaders. E.g. Professor Wilhelm Huck and Professor Johan Hofkens for years have been cooperating with IPC and also sit in the Advisory Board for IPC Regpot project – Noblesse, while Professor dr habil Andrzej Dziembowski is a member of Scientific Council of IPC. Professor dr habil Robert Holyst (CREATE project Coordinator) and Professor dr habil Piotr Garstecki are permanently employed in IPC.

Scientific profile of SC members is presented in Annex 1.

1. RELEASE OF THE AD

JOB AD: was consistent with the text presented in a grant proposal (see Annex 2 for full job ad).

DISSEMINATION: The advert was widely spread – esp. through:

IPC website (Polish & English version)



- IPC facebook profile
- notice board of IPC



- webpage of Euraxess & the Polish Ministry of Science and Higher Education



- www.eurosciencejobs.com as high visibility job add

uro Sci SEARCH AND POST	The site for Pharmac	Euro + Pharmajobs.com
Job Search	Upload CV Job Alerts Recruiters	Home Post Job Advertise Contac
Search for Res	search Science Jobs and Postdocs in Europe	Top Jobs
Keyword or job	title - in - Location (e.g. France or Switzerland) - Search Search He	ERA Chair - Head of Department of Physical Chemistry of Biological Systems - Warsaw, Poland
Jan ICN29		Click Here to Post a Job
Latest Sc	ience Jobs and Postdocs in Europe	Free Jobs Newsletter
The	ERA Chair - Head of Department of Physical Chemistry of Biological Systems 😒 Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland	We won't sell your email address - privacy policy.
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Ø	Theoretical Physicist S CERN - European Organization for Nuclear Research, Geneva, Switzerland Posted 30 September, Deadline: 4 January	Computing PhD Required Physic Postdoc Belgium Denmark Finland Fram Germany Netherlands Spain Sweden Switzerla
WARWICK	Research Fellow in Optical Engineering Se University of Warwick, Coventry, United Kingdom Posted: 29 September	UK Advertise Newsletter Recruit Partners
VU &	Postdoctoral Researcher Ecosystem Modelling 🔄 VU University Amsterdam, Amsterdam, Netherlands Posted: 29 September, Deadline: 8 October	Euro*Pharmajobs Euro*TechJobs
4	Researcher in Packaging of Integrated Photonic Systems S Tyndall National Institute, Cork, Ireland Posted: 28 september	EuroPharmaJobs - pharma jobs in Europe EuroTechJobs - software developer and tech Jobs in Europe
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Y		Jobseekers Home Job Search Job Alerts - Subscribe Newsletter - Subscribe Upload CV Career Guides Privacy Policy EuroJobsites Energy Jobs in Europe	Recruit/Advertise Post a Job Recruitment Advertise Testimonials About Us Recruiter's Guide	Jobs by Category Biology (88) Chemistry (41) Earth Science (20) Engineering (28) Maths and Computing (46) Physics (44) Jobs by Type Academic (81) Commercial (10)	Jobs by Specialisation Agriculture (3) Animal Health and Veterinary (2) Alomic and Parkle (11) Biochemistry (38) Biomedical Engineering (13) Biomedical and Physiology (50) Biotechnology and Genetics (39) Chemical Engineering (12)	Jobs by Specialisation Geophysics (4) Mathematics (10) Meteorology (2) Microbiology (15) Nanotechnology (15) Nuclear (4) Nuclear (4) Oceanography and Hydrology (3)	Jobs by Country Austria (7) Beigium (9) Cyprus (4) Denmark (5) Frinand (8) France (7) Germany (7) Ireland (3) Netherlands (21)	5	
		Engineer Jobs in Europe		Government/Public Sector (27)	Computing/Programming (38)	Pharmaceutical (6)	Poland (6)		

 press release on IPC search of ERA Chair holder on IPC, Polish Press Agency (Science section) and Alpha Galileo webpage:

http://www.alphagalileo.org/ViewItem.aspx?ItemId=156924&CultureCode=en, http://naukawpolsce.pap.pl/aktualnosci/news,406716,konkurs-era-chair-w-ichf-pan-zwyciezca-stworzykatedre.html, http://ichf.edu.pl/press/2015/10/IChF151001a_EN.pdf, http://ichf.edu.pl/press/2015/10/IChF151001a_EN.pdf

 notice boards of partner institutions (e.g. Radboud University in Nijmegen, Netherlands; Oxford University; MIT; Harvard University) & directly through cooperating scientists from partner institutions:







- directly by PIs of IPC incl. at scientific international conferences (e.g. Surface Modifications for Chemical and Biochemical Sensing)
- other webpages as a viral (e.g. <u>www.ecojobs.cz</u>; <u>www.careerjet.ae</u>; <u>www.bestcms.in</u>; <u>www.energiamax.pl</u>; <u>www.jobseurope.net</u>; <u>jobs.oneindia.com</u>; <u>jobs.sciencecareers.org</u>)



2. APPLICANTS

Till contest closure 11 candidates sent their applications for the position of ERA Chair holder.

Applications were filed by:

- 3 residents of India,
- 3 Germany (1 of French and 1 of Belarusian origin),
- 1-USA (of Polish origin),
- 2 Italy (1 of Greek origin),
- 2 Poland.

Research area of the candidates who submitted their application:

- physico chemical properties, Spectral (NMR) and structural behaviour of Polymeric/Micellar solutions,
- reactive nitrogen species, antioxidants, binding interactions, spectroscopy, photophysical phenomenon, molecular crowding,
- self-organization, oscillatory reactions with applications to biological systems,
- stem cell research,
- physical chemistry, fast spectroscopy with applications to biochemical reactions, protein and solvent dynamics, solar cells,
- electrochemistry and bioelectrochemistry (biophotovoltaics, biofuel cell, nitrate biosensor),
- single-molecule biophysics, single molecule spectroscopy with applications to lipid bilayers, photonic crystals,
- microbiology,
- material chemistry, synthesis with some little applications to medicine (photodynamic therapy),
- optics, coherence tomography with applications to medicine (retina, skin cells, detection of small biological objects.

3. CVs EVALUATION / A SHORT LIST AND A FEEDBACK

SC evaluated applications against criteria presented in the grant proposal, i.e.:

- capability to compete at ERC Stg. or ERC Adv.
- having an MD, PhD (physics, chemistry, biology, medicine) or equivalent
- expertise in biology or in combined fields: biology chemistry, or biology physics
- proven international research experience
- international reputation based on research excellence
- proven record in securing research funding and experience in managing and leading research group
- leading and mentoring skills
- the potential to cooperate with other research groups
- creative approach towards interdisciplinary researches
- fluent written and oral communication skills in English

Up to 5 pts. could be awarded in each criterion. Additionally, SC could give recommendations to up to 5 candidates from the list.

Taking into account preliminary results, the 5 candidates were selected for further evaluation: 1 from USA (Polish origin), 1 from Kolkata – India, 1 from Germany (French origin), 2 from Poland.

The unsuccessful candidates were given feedback by the CREATE project Coordinator and simultaneously – SC member – Professor Robert Holyst.

4. SEMINARS OF ERA CHAIR HOLDER CANDIDATES & 5. A FINAL DECISION OF SC AND A FEEDBACK

The successful candidates were invited to deliver 30 min (including session of questions and answers) seminars at IPC, on 29th Jan 2016, incl. in particular:

- description of most important (1-2) scientific achievements of a candidate,
- description of current scientific projects and current grants which support them,
- idea about the department of physical chemistry of biological systems, plans for experiment, research with emphasis on the current research done in the Institute and a way of their integration into your scheme.

Prior to the lectures, the candidates to ERA Chairs holder position were given a tour around IPC to get acquainted with research groups leaders, research carried out by IPC and research infrastructure. The tour was aimed to support the candidates in giving recommendations and ideas about future possible cooperation.

The seminars were **opened to public** and the whole IPC community was invited to come. After each presentation a Q&A session was held.

In the afternoon the candidates, in the same order as previously, were invited to have a 30-min. individual conversation with the ERA Chair Selection Committee. <u>After the hearings – the selection committee held a</u> <u>discussion and elected the ERA Chair holder – namely: Professor Maciej Wojtkowski.</u>

In the evening candidates staying in Warsaw were invited for a dinner at Różana Restaurant. The purpose of that event was to thank them for participation but also tighten relations with candidates – distinguished scientists capable of competing in ERA, looking forward to further cooperation.

On 1st February Professor Wojtkowski was informed about his election for the position of the ERA Chair holder and invited for negotiations. Simultaneously, the unsuccessful candidates received feedback from the CREATE Project Coordinator on their candidacy.

6. **NEGOTIATIONS & CONTRACT CONCLUSION**

In the course of negotiations <u>among others</u> the following issues were thoroughly discussed:

- financial conditions,
- lab space (100 m²) & its location (ground floor),
- preliminary composition of ERA Chair holder's team & timetable: M10 – M60 – 2 postdocs (acceleration of recruitment process to be discussed with the Project Officer) M13 – M60 – 4 PhD students
- budget for lab infrastructure i.e. complete optical laboratory equipment such as:
 - 1) optical tables,
 - 2) oscilloscopes,
 - 3) detectors (CMOS cameras, CCD camera, photodiodes, photomultipliers),
 - 4) light sources (fs laser, supercontinuum source, tunable sources, broadband enhanced emission source),

5) fiber optic elements,

6) optics (lenses, prisms, diffraction gratings),

7) optomechanical components,

8) computers,

9) electronics,

10) measurement cards.

• budget for foreign working visits, conferences etc. (compatible with grant proposal).





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<u>ANNEX 1.</u>

Scientific profile of SC members



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Professor Wilhelm T. S. Huck

Wilhelm Huck is Professor of Physical Organic Chemistry at the Institute for Molecules and Materials, Radboud University. He received his PhD (promoter Prof. David Reinhoudt) in 1997 from the University of Twente. After postdoctoral research with Prof. Whitesides at Harvard University, he took up a position in the Department of Chemistry at the University of Cambridge, where he was promoted to Reader (2003) and Full Professor of Macromolecular Chemistry (2007). He became Director of the Melville Laboratory for Polymer Synthesis in 2004 and in 2010 he moved to the Radboud University Nijmegen.

Huck has been very successful in funding from UK, Dutch and EU research councils. He was awarded an ERC advanced grant (2.2 M€) in 2010, a NWO-Vici award (1.5 M€) in 2011,2 ECHO grants (total 0.5 M€) and a TOPPUNT grant (2M€, two co-PIs) in 2014. Furthermore, he is a key member of the successful 27 M€ Euro NWO-Gravitation Programme on functional complex systems with Nijmegen, Eindhoven, and Groningen. In Cambridge, his group received funding from the EPSRC (Engineering and Physical Sciences Research Council), the Research Councils UK (RCUK), UK industry (AWE, Schlumberger, Cambridge Display Technology) and the EU FP5 and FP6 (Marie Currie fellowships, Research and Training Networks and Centers of Excellence). In total, he acquired 9 personal grants (total amount >M€ 3) and 7 grants for collaborative research (total amount >M€ 18).

In January 2010 Prof. Wilhelm Huck moved to the Radboud University Nijmegen to start work on synthesizing life. The Huck group has in a very short time (and building on previous work on microdroplets technology developed in Cambridge, *Angew. Chem. Int. Ed.* **2008**, 47, 2042; *Angew. Chem. Int. Ed.* **2009**, 48, 3665), made remarkable progress towards building a protocell in which key cellular processes such as protein synthesis can be followed under conditions that are similar in physical properties as the interior of a living cell.

Professor Huck has also experience in transfer of intellectual property to industry. Huck's work on polymer electronics in collaboration with the group of Prof. Sir Richard Friend, who is widely seen as the founder of the field, resulted in a number of patents that have all been licensed to key companies in the field, including Cambridge Display Technology, Eight19 and Plastic Logic. He is also co-inventor on one of the core patents (self-aligned printing) for Plastic Logic (a spin-out from the University of Cambridge). In total Prof. Huck co-authored nine patents and patent applications.

His work on droplet-based microfluidics has resulted in several patent applications and in 2010 he co-founded Sphere Fluidics, a Cambridge University spin-out company that specializes in single cell analysis using picodroplets. In 2014 he co-founded Cytofind Diagnostics, a company exploiting microdroplets to enumerate and characterize Circulating Tumor Cells.

Professor Johan Hofkens

Prof. Johan Hofkens is a full professor and head of the Molecular Imaging and Photonics Division.

Prof. Johan Hofkens received his MSc and PhD degree in Chemistry (maxima cum laude) from the Katholieke Universiteit Leuven, Belgium. After postdoctoral research with Prof. Masuhara at Osaka University, Japan and Prof. Barbara at the University of Minneapolis, he rejoined the KULeuven supervising the Single Molecule Unit in the group of Prof. De Schryver. In 2005 he was appointed Research Professor at the KU Leuven and in 2011 he was promoted to Full Professor. Currently he is the head of Molecular Imaging and Photonics Division of the KU Leuven. His team consists of 30 researchers (16 PhDs and 14 post docs).

His research interests are fast spectroscopy, single molecule spectroscopy, development of new optical microscopy modes, and the application of this research tools in timely topics at the interface of biology, chemistry and physics. His current research lines included superresolution optical mapping of DNA, heterogeneous catalysis, molecular motors, polymers and the development of novel GFPs with improved photophysical parameters.

Professor Hofkens research has enabled him to receive considerable funding, incl. ERC advanced grand in 2012 and long term structural funding from the Flemish government (Methusalem Financing). Hofkens has participated in more than 5 EU projects in the last 10 years. Prof. Hofkens received several awards and honors including:

- membership of the Flemish academy of science in 2011;
- an Adjunct professorship in the Nano-science center Copenhagen
- the Asian Photochemistry Association Masuhara lecture award 2012.

Prof Hofkens has published more than 320 papers (H-index =58) and has been promotor/co-promotor of more than 25 PhD students.

Professor Kylie Vincent

Prof Kylie Vincent is an Associate Professor in Inorganic Chemistry at the University of Oxford. She graduated from the University of Melbourne (BA/ BSc(Hons), Ph.D. (2004)), carrying out her PhD research with Stephen Best. She then moved to the University of Oxford as an RJP Williams Junior Research Fellow with Fraser Armstrong from 2002-2007, and then a Royal Society University Research Fellow.

She received an ERC Starting Grant in 2010, and an ERC Proof of Concept Grant in 2011, and took up her current position in 2013.

Her research couples electrochemistry with infrared spectroscopy to understand small molecule activation by enzymes and metal nanoparticles. She has developed applications of biocatalysis for chemical synthesis, winning the 2013 Royal Society of Chemistry's Emerging Technologies prize.

Professor dr habil Robert Holyst

Professor Holyst is a head of the Research Group Soft Condensed Matter.

Current research topics: soft matter, biologistics, biological chemistry, statistical physics, techniques: FCS, PCS, capillary electrophoresis TDA.

Current and Recent Funding:

- Length-scale dependent nano-viscosity in soft matter systems and in living cells NCN grant, PI, EUR 700,000 (2012-2016)
- Taylor dispersion analysis in coiled capillaries at high flow rates new tool in analytical chemistry for determination of equilibrium constant for the formation of ligand-macromolecule complex, NCN grant, PI, EUR 215,000 (2013-2016).
- Towards quantitative biology via novel method of mobility measurement in the living cell: interactions of proteins with intracellular structures of glycogen and mitochondria, NCN grant, PI ½ grant EUR 1,000,000 (2013-2017).
- Development of SERS platform for fast biomedical applications, NCBIR grant, PI, EUR 1,000,000 (2013-2015).
- Noblesse grant FP7 REGPOT program, Coordinator, EUR 3,600,000 (2011-2014).

Professional memberships and awards: Institute of Physical Chemistry prizes (1992, 1994, 1995, 1997, 1998, 1999, 2001, 2003, 2005, 2006, 2007); Foundation for Polish Science one year fellowship, 1993; Polish Academy of Sciences first prize in chemistry, 1994; "Golden Cross of Merit" awarded by the President of Poland, 2005; Prime Minister first prize in Sciences, 2006; UKSW Rector's prize, 2006,2011; Foundation for Polish Science professorship "Mistrz" (three per year (12/4 years) awarded in Poland in chemistry, physics, astronomy and mathematics) 2008.

International experience: University of Washington (2 years), ENS-Lyon (2.5 years); MPI-Mainz (4 months in total); seminars at Harvard, MIT, Princeton, Yale, Broad Institute of Harvard and MIT, University of Chicago, Brown University, Northwestern University, University of Illinois Urbana Champaign, University of Minnesota, ENS-Paris, MPI-Golm, MPI-Gottingen, MPI-Mainz, TU Berlin, TU Dresden Biotec, Georg August University Gottingen, University of Cambridge, J. Gutenberg University, University of Tokyo, University of Nagoya, University of Malaya, Samsung Advanced Institute of Technology and others.

International cooperation: Nankai University, two COST programs, two ESF grants, collaboration with Mitsui Chemical Inc. (expert), Samsung (exchange of scientists), Unilever (grant from Unilever). REGPOT grant FP7 (coordinator), Team grant FNP, Maestro grant NCN, ERA-CHAIR grant 2015 (coordinator), Publications with leading scientists in USA, Germany, France.

Professor dr habil Piotr Garstecki

Professor Garstecki is a head of the lab of Microfluidics and Complex Fluids.

Current and Recent Funding:

- Electro-Flow-Focusing Technological Platform an industrial grant, PI, 200 000 EUR (2007-2012)
- Quantum Semiconducting Nanostructures for Sensors in Biology and Medicine, EU Structural Funds,

contributor, 100 000 EUR (2008-2013)

- Identifying and characterizing bacterial cytoskeletal elements and small molecules that target them, Human Frontiers Science Program, in collaboration with Gitai (Princeton), Weibel (UW Madison), Thanbichler (Max Planck Institute for Terrestrial Microbiology), 300 000 USD (2008-2012)
- Droplet Microfluidics: Fundamentals and Applications, Foundation for Polish Science and EU Structural Funds, PI, 700 000 EUR (2008-2012)
- Microfluidic Combinatorial On Demand Systems: a Platform for High-Throughput Screening in Chemistry and Biotechnology, ERC Starting Grant, PI, 1 750 000 EUR (2011-2016)
- The role of antimicrobial protein-chemerin in skin pathophysiology, National Center for Science, Grant in collaboration with Jagiellonian Unviersity, 1 500 000 EUR (2015-2019).

Major Past Research Accomplishments:

- Development of an automated system for high-throughput screening of membrane proteins (2014)
- Construction of automated system for long-term incubation of microorganisms in microchemostats (2012)
- Construction of automated system for determination of phase diagrams of proteins (2011)
- Construction of an automated droplet microfluidic system for high-throughput screening (2010)
- Development of techniques for fabrication of microfluidic devices in polycarbonate and for modification and functionalization of the surface of polycarbonate (2009-2011)
- Demonstration of a technique for dynamic charge separation in soft matter systems and its use for speeding up separation processes in blends of polymers and liquid crystals (2009)
- Providing the understanding of formation of droplets and bubbles in microfluidic systems (work during the postdoctoral stay in laboratory of Prof. George M. Whitesides)
- Demonstration of complex dynamics of flow of droplets and bubbles through networks and providing examples of simple uses thereof (work during the postdoctoral stay in laboratory of Prof. George M. Whitesides)
- Demonstration of using microorganisms to carry microscopic loads and of steering bacterial cells in microchannels (work during the postdoctoral stay in laboratory of Prof. George M. Whitesides)
- Providing spectra of photonic band gap materials based on periodic structures formed in systems of liotropic liquid crystals and block-copolymers (2002)
- Providing a simple model for analysis of complex periodic structures of liotropic liquid crystals (2002, work within the Ph.D. program)

Applied research and transfer of intellectual property to industry:

- Cofounding of a spin-off company Curiosity Diagnostics that currently develops new algorithms for digital diagnostic assays (2012).
- Cofounding of a spin-off company Scope Fluidics that currently constructs prototype microfluidic diagnostic systems for an European biotechnological company (2010)
- Design, construction and installation of a pilot microfluidic formulation plant for a pharmaceutical company (2009)

Professor dr habil Andrzej Dziembowski

Andrzej Dziembowski is a molecular biologist, biochemist and geneticist. Prof. Dziembowski is an Associate Professor in the Institute of Biochemistry and Biophysics and the Department of Biology, University of Warsaw.

Prof. Dziembowski is a head of a research group at the Institute of Biochemistry and Biophysics. He also delivers lectures and mentor students at the Faculty of Biology, University of Warsaw. 2002-2006 he worked at the Institute of Molecular Genetics, CNRS in France.

Dr. Dziembowski deals with the analysis of RNA metabolism in eukaryotic organisms. He is co-author of the major work on the mechanism of action of the main eukaryotic ribonuclease, exosom complex. He also led analysis of protein complexes involved in the submission of pre-mRNA and mRNA biogenesis. Recent research in his group resulted in the discovery of the enzyme responsible for the modification end of U6 snRNA. Mutations in this enzyme cause genetic disease, polikloderma with neutropenia.

Prof. Dziembowski published scientific articles in the most prestigious scientific journals in molecular biology. Among them: Nature, Nature Structural and Molecular Biology, Genes and Development, Molecular Cell, EMBO Journal and EMBO Reports.

He has received many awards and prestigious grants: Award of the Prime Minister for doctoral thesis and habilitation, Scholarship of the Minister of Science for outstanding young scientists, Parnas award for the best Polish work in the field of biochemistry, EMBO installation grant, NCN Maestro grant, grants from 6th and 7th Framework Programme of the European Union. He was also a fellow of the Foundation for Polish Science (Start, Columbus, Team).





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> ANNEX 2. Full job ad



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Job Advertisement for ERA Chair Holder Position

The Institute of Physical Chemistry of the Polish Academy of Sciences, the leading research entity among large chemical research organizations in Poland, invites applications for a position of:

ERA Chair

Head of Department of Physical Chemistry of Biological Systems

(project CREATE, H2020-WIDESPREAD-2014-2)

Successful candidate should show his/her capability to compete at the level of ERC AdG or ERC StG.

The successful candidate will be expected to:

• establish a new interdisciplinary department within the structure of the Institute (incl. equipping & senior and junior research staff selection),

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- set own research program, taking advantage of current achievements of the Institute in microfluidics, modern optics, analytical chemistry and modern biological chemistry (identified as an emerging area of research strength of the Institute – SMART specializations),
- establish cooperation and initiate joint projects with ERA research units and business sector with the support of administrative section (esp. Grants and Commercialization Team).

The position will allow the candidate to take **a leadership role** in new research fields selection on the border of physics, chemistry and quantitative biology.

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We encourage to apply applicants who have expertise in biology or in combined fields: biology - chemistry, or biology - physics. A candidate must hold a MD, PhD (physics, chemistry, biology, medicine) or equivalent, fluent written and oral communication skills in English and fulfil conditions specified in European Framework for Research Careers for Established researcher $(R3)^i$ – at least:

- proven international research experience,
- international reputation based on research excellence,
- proven record in securing research funding and experience in managing and leading research group.

A desired candidate should also prove creative approach towards interdisciplinary researches, leading and mentoring skills, and the potential to cooperate with other research groups.

The successful candidate will be given:

- middle-term contract (4 years supported by ERA Chairs grant) with prolongation option for permanent position – full time position;
- attractive salary significantly higher than at leading EU or US universities (negotiable); and attractive remuneration package (relocation supplement);
- opportunity to create own interdisciplinary research department with strong support from chemistry and physics groups within the Institute;
- wide autonomy and independence, position as the Head of Department, free choice of researchers for the department, position of Scientific Coordinator, position in the ERA Chair Board;

- lab space of at least 100 m² and up to 6 positions in the his/her group within the department (participation and independence in selection of postdocs and PhD students);
- start-up money negotiable;
- free access to confocal microscopies with FCS, FLIM, FRAP, FRET, DLS, rheometer and equipment database of the Institute available, fully equipped microfluidic laboratory, top surface chemistry lab (SEM, XPS etc.) strong electrochemistry labs already engaged in bio and ready for collaboration;
- full cooperation of other Pl's in the Institute e.g. Professors: P. Garstecki (microfluidics), R. Holyst (soft and living matter), J. Waluk (spectroscopy), M. Opallo (electrochemistry), M. Fialkowski (nanoparticles), J. Lewinski (organometalics), C. Radzewicz (optics), W. Kutner (analytical chemistry and chemical sensors), A. Jablonski (electron spectroscopy) and others.

Applications including a detailed curriculum vitae, brief description of current research programme, accomplishments, representative publications, and the names of three references should be sent directly to the Project Coordinator - <u>rholyst@ichf.edu.pl</u>, or <u>robert.holyst@gmail.com</u> till **15**th **November**, **2015**.

Review of applications will be completed till 31st December 2015. In the second stage of recruitment procedure 3-5 candidates will be invited to the Institute in January 2016 to give a seminar in front of the Recruitment Committee (consisting of ERC grant holders) and other PIs from the Institute. One candidate will be chosen.

The Institute is committed to employment equality (esp. European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers) and welcomes applications from all qualified candidates fulfilling requirements specified in this announcement. Remuneration of ERA Chair is co-financed from EU funds (ERA Chairs) and a profile of a chosen candidate is a subject to the European Commission's approval.

ⁱ http://ec.europa.eu/euraxess/pdf/research_policies/Towards_a_European_Framework_for_Research_Careers_final.pdf