



Attracting Research Talent - Keys to Success

A short collection of Irish experiences

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Outline of the presentation

- Three examples – one Intra-European Fellowship, two International Incoming Fellowships
- What do they have in common?
- Role of the Irish Researcher Mobility Office

CARToon – ‘Computer Assisted Renewal of Classical Cartoon Animations’

Intra-European Fellowship

- Host institution: Graphics Vision and Visualisation group (GV2), Department of Computer Science, Trinity College Dublin
- Scientist in Charge: Dr. Steven Collins
- Marie Curie Fellow: Dr. Daniel Sykora, previously at Czech Technical University in Prague

CARToon – *Project Objectives*

- Attract young audience to classical works
- Develop new techniques to enhance and synthesise classical cartoon animations from original footage
- Complementary training activities to develop applicant's independent research career, including:
 - Hands-on training on advanced technology, improving writing and publishing skills, research group leadership, preparation of master degree course in English language.

Strong points of the host institute and group

- Stimulating research environment: GV2 formed in 2006 with integration of two longstanding TCD research groups
- Various funding sources, both public and private (IBM, Intel, Sony, ...)
- Strong research interactions with industry; GV2 produced various highly successful spin-outs (PI was co-founder of one of them)
- Complementary skills training provided by Staff Office, tailor made for needs of fellow
- Centre for Academic Practice and Student Learning to support training in teaching skills

SCHILD_HEALTH – ‘Family Risks and Children’s Health: Impact of Early Interventions’

International Incoming Fellowship

- Host institution: Geary Institute, University College Dublin
- Scientist in Charge: Dr. Colm Harmon (Director of the Institute)
- Marie Curie Fellow: Dr. Sylvana Côté, on leave from Department of Social and Preventive Medicine, University of Montreal, Canada (Associate Professor)

SCHILD_HEALTH – *Project Objectives*

- To what extent:
 - can early childhood services (ECS) offered to high-risk families reduce the risk for health and educational problems, and
 - in how far does the magnitude of the impact depend on the timing of the intervention (e.g. prenatal vs. post-natal)?

Strong points of the host institute and group

- One of the major centres in Europe on quasi-experimental and natural experiment approaches
- Depth of expertise, interdisciplinary approach
- Highly qualified and respected individuals (excellent publication record)
- Extensive international contacts & collaborations
- Institution benefitted from large Irish Government and private investments in relevant programs
- Extensive experience with EU funded research (including Marie Curie schemes)
- Strong links to policy makers

CISTAX – ‘Discovery of molecular markers for the inverse relationship between platinum and taxane resistance in cancer’



International Incoming Fellowship

- Host institution: National Institute for Cellular Biotechnology, Dublin City University
- Scientist in Charge: Prof. Martin Clynes (Director of NICB)
- Marie Curie Fellow: Dr. Britta Stordal, previously at Bill Walsh Cancer Research Laboratories, Sydney, Australia

CISTAX – *Project Objectives*

- To identify a gene and protein expression pattern associated with platinum resistance and taxane sensitivity in a panel of drug-resistant cancer cell lines.
- Potential outcome: Results could revolutionize cancer therapy by individually tailoring chemotherapy.

Strong points of the host institute and group

- Vast experience in the field, expertise complementary to home institution
- Large collection of drug resistant cell models available (essential to carry out project)
- PI has significant experience in training of advanced researchers
- Many international collaborations, both in Europe and beyond, and with the Irish Cancer Clinical Trials Organisation
- Fellow already spent time previously at host institution as Research Assistant

What do they all have in common?

- Excellent research environment (infra-structure, international/intersectoral collaborations, external funding sources)
- Excellent people (supervisor/scientist in charge, team members, collaborators)
- Excellent support (scientific/complementary training, paperwork - from proposal preparation to contract implementation, immigration issues)

Crucial support by Irish Researcher Mobility Office at IUA



- Third Country Visa Directive fully implemented in Ireland
 - Hosting agreements instead of Work Permits (permanent residency possible after two years)
 - Allows Third Country researchers fast and easy entry to Ireland; family members can join them immediately
 - Irish Mobility Office fully integrated into the procedures for processing of hosting agreements, very efficient collaboration with HR Offices at universities and National Immigration Bureau
 - Since introduction of the scheme in 2007, close to 500 hosting agreements processed (55 nationalities, mostly from China, India and USA)

Any questions?

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