Research in Belgium
癌만 정밀 파괴하는 양성자 치료, 폐암·간암에 효과

이금숙 헬스조선 기자

미국 하버드대
하고 있는 꿈
이여 국내에
고 평가받
지난해 9
들이 들

[현장] 국립암센터 양성자치료센터 가보니...

국립암센터 양성자치료센터 "찾는 환자 두 배 이상...소아암에 효과적"

기사 일자 : 2016년 05월 17일 11:42  / 롯 뉴스

지난 6일 국내 최초로 양성자치료시설을 연 경기도 고양(센터장 강대용)을 찾았다.

△방
이 국내의 프로토야마이즈 호흡기치료 기자 jhee@etoday.co.kr

** 이 기사는 2016년 3월 《프로토야마이즈》과 관련해 게재된 기사입니다. 2017년 5월 현재 국립암
센터 양성자치료센터 방사선은 엄밀한 고유특수.
Why we ❤ Koreans

• excellent universities

• similarities and common interests

• But so far limited cooperation -> growth potential
Why you should ♥ Belgium?

Universities are very international
• Founding participation in European/international networks

Most innovative universities in Europe

Four years in a row: KU Leuven once again tops Reuters ranking of Europe’s most innovative universities

30 Apr 2019

For the fourth year in a row, KU Leuven tops the Reuters ranking of Europe’s most innovative universities. The University of Erlangen Nuremberg and Imperial College London are second and third on the list.

How can potential partners, investors, faculty and students know if an institution is really transforming science and technology and affecting the global economy? To answer that question, Reuters set out to find and rank Europe’s top 100 innovative universities. The criteria focused on academic papers, which are a proxy for research output, and patent filings, which point to an institution’s industrial impact. For the fourth time in a row, KU Leuven is the most innovative in Europe, and among the top 10 in the world.
Brussels – ‘Capital of Europe’

At the heart of Europe
More than 1,000 international companies and organizations

Open, multilingual and multicultural society
1st most globalized country in the world

Quality of life
16th happiest country in the world
High Quality Research

- 4 Nobel Prize winners for Medicine,
- 3 Nobel Prize winners for Peace,
- 1 for Literature,
- 1 for Chemistry
- 1 Nobel Prize for Physics
We offer support

For international researchers
- Full implementation of the European Charter for researchers
- Open recruitment, social security coverage, portability of grants, gender equality
- Euraxess offices
- Various funding opportunities
Where to go?

11 universities

- 4 universities in Top 200 of QS World University Rankings
- Strong research-based education
- Collaborations in interuniversity doctoral schools

School of Arts (music, drama, plastic, performing)

- Smaller size: 75 to 1,000 students per institution
- Very high number of international students – 30% on average up to more than 90%
2 major regions

Dutch-Speaking Flanders

French-Speaking Wallonia

German Wallonia
Universities - Flanders-Brussels

5 universities

- Ghent University
- Hasselt University
- KU Leuven
- University of Antwerp
- Vrije Universiteit Brussel
Why Flanders- Brussels?

- PhD degrees: 1 956 (2016)
- Scientific publications and proceedings: 21 103 (2015)
- Newly created spin-offs: 24 (2016)
- Industrial contract revenues EUR 82,1 million (2016)
4 strategic research centres

- Imec
- VIB (Flemish Institute for Biotechnology)
- VITO (Flemish Institute for Technological Research)
- Flanders Make

Collaborations with universities in PhD programmes and/or specific master programmes

Flemish Government funding for strategic research centres: (2017): EUR **241 million**.
Research & Innovation
Flanders - Brussels

Innovation driven economy:

- Most important industrial sector: chemical industry
- Antwerp: centre of diamond trade
- Industry focused on processing
- Flourishing pharmaceutical industry
- World leader in medical imaging
- Innovative work in digital signal processing
Joint projects with Korea

NRF / FWO cooperation to stimulate fundamental research and development in all scientific domains

at least 1 scientist with max. 6 years of postdoc experience is exchanged

www.fwo.be/en Fellowships -> funding -> international collaboration -> scientific cooperation -> South Korea
And many more grants

ICM-FWO fellowships for 3x1 year
EUI fellowships for 4 years
Postdoctoral fellowships for 2x3 years
Senior clinical investigator for 3x5 years, part-time

[PEGASUS]^2 Marie Sklodowska-Curie incoming and outgoing Fellowships
Research grants for 1 year
Research projects up to 4 years
Research projects Strategic Basic research for 2-4 years
Research projects Applied Biomedical Research with a Primary Social finality for 2-4 years

Big Science: supporting research projects at major international research facilities
Odysseus: providing start-up funding for researchers who have built up a career outside Flanders

Medium-scale and Large-scale research infrastructure
Scientific prizes
Travel grants for short/long stay abroad, attending conferences,...
International scientific cooperations (Bilateral research networks, Lead Agency Procedures,...)
More information – Flanders- Brussels

Website http://www.researchinflanders.be/

Focus on Research

This project depicts 101 research projects of universities and university colleges in Flanders, Belgium.

click here

Research at Flanders’ Higher Education Institutions
6 Universities – Wallonia-Brussels

- Université catholique de Louvain
- Université de Liège
- Université de Mons
- Université de Namur
- Université libre de Bruxelles
- Université Saint-Louis – Bruxelles
Internationalisation – Wallonia-Brussels

220 000 students
• 20% international BA and MA students
• 40% international PhD students
• 16% internationally mobile students

16 500 professors and researchers
• 20% from abroad
• 68% publications with international co-authorship
Great impact and favorable ground for research and innovation

- 20% of private R&D financed by public funding
- Tax aid for innovation (€700Mio)
- Strong support to basic and applied research through universities, FNRS, 300 public and private R&D centres, 220 spin-offs, 7 scientific parks, etc.
Strong partner in EU research and innovation programmes

- High success rate in applying to H2020

High-quality and international publications

- 68% publications with international co-authorship
- More than 40% of PhD students and post-doc researchers
Short term research mobility

Grants Programme ASEM DUO

for professors, researchers and lecturers

exchanges of 1 to 3 months

www.ares-ac.be/en/relations-internationales/asem-duo-grant
Long term mobility

- Ulysse incentive grant for mobility in scientific research (MISU)
- For 2 /3 years
- For researchers with excellent track record that want to start their own research group in Belgium
- min. 10 years research experience
More information – Wallonia-Brussels


The FNRS in international

Ouverture de l'appel bilatéral de mobilité entre le FNRS et la Pologne (« PAS »)
Plus d'infos...

Ouverture de l'appel bilatéral de mobilité entre le FNRS et le Brésil (« FAPESP », État de São Paulo)
Plus d'infos...

Ouverture de l'appel bilatéral de mobilité entre le F.R.S.-FNRS et

Scientific policy

Code & Questionnaire éthiques
Open Access
Intégrité dans la recherche
Etude du genre

Graduate colleges

Ecoles doctorales près le FNRS
Ecoles doctorales thématiques
Commission des Ecoles doctorales
Documents

Sponsorship & Prizes

L'OREAL-UNESCO For Women in Science
Fonds ISDT Wernaers
Prix quinquennaux
Prix scientifiques

Contact groups

Groupes par domaine
Demande de création d'un nouveau réseau

Observatory research

International, Mobility, NCP

Mobilité partenaires
ERA-Nets et programmation conjointe
How to find the job?

Euraxess Belgium: www.euraxess.be/jobs/search/country/belgium

Minimum Gross Salary:
• Assistant (PhD level) : EUR 40,000/year
• Assistant (post-doc level): EUR 50,000/year
• Associate professor: EUR 60,000/year

-> special scholarships for people from companies to implement research results in business
Excellent life quality

- +/- 30 days of holiday a year
- Social security provided
- Affordable living and housing
- Clean air and excellent beer terraces
Current partners

- Catholic University of Korea
- Chonnam National University
- Chung-Ang University
- Chungbuk National University
- Dongguk University
- Ewha Womans University
- Ghent University Global Campus
- Gyeongsang National university
- Hallym University
- Hankuk University of Foreign Studies
- Hanyang University
- Incheon National University
- Jeju National University
- Kookmin University
- KAIST
- Kongju National University
- Kookmin University
- Korea National University of Arts
- Korea University
- Kyonggi University
- Kyung Hee University
- Pukyong National University
- Pusan national university
- Sejong University
- Seoul National University
- Sogang University
- Solbridge Business School
- Sookmyung Women’s university
- Soongsil University
- Sungkyunkwan University
- University of Seoul
- University of Ulsan
- Woosong university
- Yonsei University
- ...
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