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EU-LIFE

Building and promoting excellence in the life sciences in Europe

*FAPESP/EU-LIFE SYMPOSIUM ON CANCER GENOMICS,
INFLAMMATION & IMMUNITY*

7-9 June 2016

Geert Van Minnebruggen, PhD, VIB



544 Researcher Groups | 7200 Scientists | 130 Core Facilities



Founding member | chair 2014 - 2015



Chair 2016 - 2017



Co-chair 2016 - 2017



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AT THE FOREFRONT OF
LIFE SCIENCES



- Most recent Leiden Ranking 2015 : papers 2010-2013
- Limited to Biomed & health field
- Focus on qualitative indicators, not quantitative: size independent
 - MNCS: mean normalized citation score
 - **PP10%: % papers belonging to 10% most cited papers in the field**

	2010	2011	2012	2013	Total	# CWTS	% coverage
Babraham Institute	97	76	82	102	357	292	82
BRIC	50	59	91	96	296	259	88
CeMM	34	41	58	55	188	152	81
CRG	161	161	167	178	667	599	90
FiMM	114	163	161	164	602	553	92
IGC	80	89	127	170	466	320	69
FMI	117	113	113	132	475	389	82
Inst Curie	403	407	429	463	1.702	1.287	76
NKI	483	459	559	503	2.004	1.794	90
VIB	544	630	698	690	2.562	2.105	82
Total	1.459	1.479	1.660	1.693	9.318	7.750	83

LEIDEN RANKING (BIOMED & HEALTH – PP TOP10)

University	MCS	MNCS	PP_top10
MIT	28,1	2,7	32,1%
Caltech	20,7	2,0	25,3%
UC Santa Cruz	32,3	2,9	24,4%
Harvard Univ	14,9	1,9	22,9%
UC Berkeley	16,7	1,9	22,4%
UCSF	14,4	1,9	22,4%
Univ Cambridge	15,6	1,9	22,3%
Univ Oxford	15,0	2,0	22,3%
EPFL	17,3	1,8	21,9%
Stanford Univ	13,8	1,8	21,8%
Princeton Univ	15,0	1,8	21,4%
Univ Texas SW, Dallas	13,2	1,7	20,9%
LS Hygiene & Trop Med	11,8	1,9	20,8%
Washington Univ, SL	14,2	1,8	20,7%
Weizmann Institute	15,4	1,6	20,5%
Columbia Univ	12,0	1,7	20,1%
UCSD	13,9	1,7	20,1%
Queen Mary Univ	12,0	1,8	20,1%
KU Leuven	12,0	1,8	20,0%
Univ Dundee	13,4	1,8	19,7%
Univ Washington, Seattle	12,0	1,7	19,6%
Imperial College London	11,8	1,7	19,5%
Univ College London	11,2	1,7	19,5%
Pennsylvania	12,2	1,7	19,4%
King's College London	11,2	1,6	19,3%
Icahn School Med, Mount Sinai	12,6	1,7	19,3%
Univ Glasgow	12,3	1,7	19,1%
Univ Leicester	12,3	1,7	19,1%
Johns Hopkins Univ	12,0	1,7	19,0%
Univ Chicago	13,0	1,7	18,9%

LEIDEN RANKING (BIOMED & HEALTH – PP TOP10)

University	MCS	MNCS	PP_top10
EU-LIFE 1	23,1	2,9	35,0%
MIT	28,1	2,7	32,1%
EU-LIFE 2	20,4	2,0	29,0%
EU-LIFE 3	23,3	1,9	28,0%
EU-LIFE 4	20,9	2,1	27,0%
Caltech	20,7	2,0	25,3%
EU-LIFE 5	24,9	2,0	25,0%
UC Santa Cruz	32,3	2,9	24,4%
EU-LIFE 6	25,3	2,3	23,0%
Harvard Univ	14,9	1,9	22,9%
UC Berkeley	16,7	1,9	22,4%
UCSF	14,4	1,9	22,4%
Univ Cambridge	15,6	1,9	22,3%
Univ Oxford	15,0	2,0	22,3%
EU-LIFE 7	24,0	2,0	22,0%
EU-LIFE 8	15,7	1,9	22,0%
EU-LIFE 9	17,5	1,8	22,0%
EPFL	17,3	1,8	21,9%
Stanford Univ	13,8	1,8	21,8%
Princeton Univ	15,0	1,8	21,4%
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EU-LIFE 10	13,3	1,6	20,0%
KU Leuven	12,0	1,8	20,0%
Univ Dundee	13,4	1,8	19,7%



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VISION AND STRATEGY

EU-LIFE partners believe that by joining forces they can better address complex questions in research, training and research management, thereby contributing to pushing European science forward.

BOARD OF DIRECTORS

13 Partners' Directors
Chair and Co-Chair



EU-LIFE COORDINATOR



STRATEGY GROUP

WORKING GROUPS



STRATEGY



SCIENCE COMMUNICATION



CORE FACILITIES



RECRUITMENT AND TRAINING



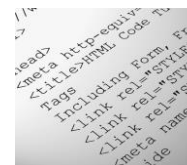
TRANSLATIONAL RESEARCH



GRANTS AND FUNDING



TECH TRANSFER



IT

- **Advocating** for excellence in research
- Promoting **integration** among European research institutes
- Attracting and integrating **international talents**, and to favor **mobility** within Europe
- **Developing and sharing best practice** in research, tech transfer, research management, HR and training
- Contributing to European and International **science policy** key documents
- Be a **voice for research institutes** in Europe



POLICY AGENDA & TEAM UP W/ SHO

- R&I in global policy
- H2020 | FP9
- Animal use for research
- ERA | Open Science

MOBILITY & INTERNATIONALITY

- Online tools
- Funding opportunities
- Research groups
- Core Facilities

POSITION PAPERS & MONITORING

- EU-LIFE Indicators
- Key elements research
- Translational research
- The storage challenge

EVENTS & CONFERENCES

- Annual scientific workshops
- Technology transfer
- Brazil-EU-LIFE 2016

TRANSDICIPLINARY PROJECTS

- Gender equality
- Science and society
- Scientific collaborations



3 PRIORITY AREAS

ESTABLISHING EU-LIFE
BRAND & BUILDING
COMPETENCE

INFLUENCING
EUROPEAN SCIENCE
POLICY

ENGAGING THE
SCIENTIFIC
COMMUNITY



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KEY ACHIEVEMENTS

2015/16

ESTABLISHING EU-LIFE
BRAND & BUILDING
COMPETENCE

INFLUENCING
EUROPEAN SCIENCE
POLICY

ENGAGING THE
SCIENTIFIC
COMMUNITY

2015: CONSOLIDATION OF A LIVE NETWORK

2015



OEIRAS

OCT 2014



COPENHAGEN

MAY 2015



BASEL

NOV 2015

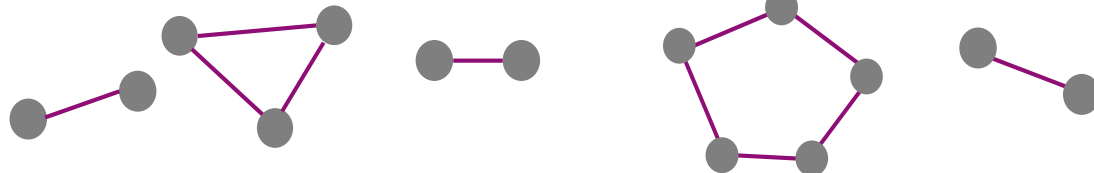


EVENTS

REGULAR

EMAIL | PHONE CALLS | TELECONFERENCES | LinkedIn | VISITS

COLLABORATIONS



- ✓ **EU-LIFE as a community of practice**
- ✓ **BENCHMARKING:** EU-LIFE indicators
- ✓ **Paper** *“Key Elements of Excellence in Research”*
- ✓ **Paper** *“Stimulating translational research: several European life science institutions put their heads together”*
Trends in Molecular Medicine, 2015
- ✓ **Workshops:**
 - *Tech Transfer “Starting-up a company: alternative compensation for in-kind contribution”, London, Sept 2015*
 - *Institutional Strategies to Communicate Animal Research, Cambridge, Feb 2016*



LIBRA

Leading innovative measures to achieve gender balance in research activities.

FIRST JOINT H2020!

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EU-LIFE coordinated approach

taking advantage of

specific contacts at NATIONAL / INSTITUTE level



E. COMMISSION

Commissioner's cabinet

DG RTD units &
Platforms

H2020 Boards

E. PARLIAMENT

ITRE commission

BUDGET commission

Political Groups

E. COUNCIL

National Ministries:

- FINANCES
- Science & Education
- Economy



**JUNCKER
PLAN
Nov 2014**

Main problems:
Boost innovation?
Cuts in H2020 funding
Funds for science can be deviated
Non discussed / non tested mechanism

EU-LIFE

Press Release

17th FEB
International press
National press



**European Research Council grants:
Good news for EU-LIFE centres, but with a bitter aftertaste**
EU-LIFE European research centres obtained 14 new ERC Starting and Consolidator grants in the latest competition, which takes the total of ERC-funded grants currently running in

Meeting
European Parliament

18th MAR

March-
September

Open Statement



EU-LIFE Open Statement in support of the position of the European Parliament of opposing the cuts in the EU budget earmarked for research

Open Letters

32 MePs
6 E Council
2 E Commission

MS level
contacts



ERA

ERA SHO Platform

Organizations | Nominated by EC
5+3 members

Open Science

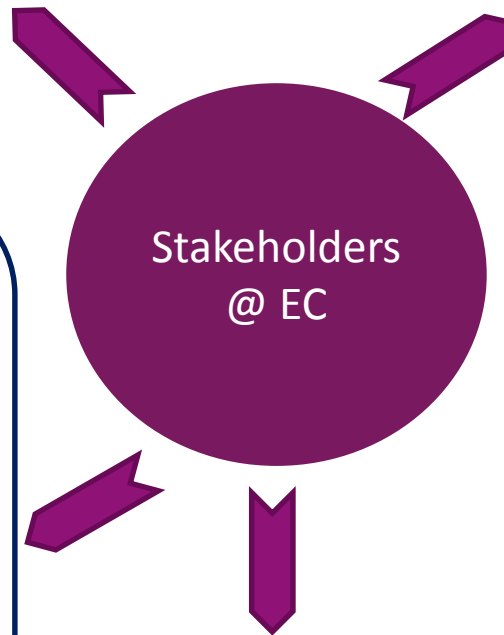
Open Science Platform (OSP)

20-30 organizations | Nominated by EC

8 W.G.

10 Experts each | Nominated by EC

- ✓ Science Cloud
- ✓ Altmetrics
- Open Data
- Business models in publishing
- Rewards (career and OS)
- Research Integrity
- Education & Skills
- Citizen Science



Stakeholders
@ EC

ERC

Scientific Council

Experts | Nominated by EC

H2020

Strategic Committees

1 / Pillar | Individuals nominated by MS

Thematic Committees

1 / Pillar | Individuals nominated by MS

> 20 Advisory Groups

24 Experts each + some organizations | Nominated by EC | New groups will appear

- ✓ The Marie Skłodowska-Curie actions on skills, training and career development
- ✓ Future and Emerging Technologies (FET)
- ✓ Spreading excellence and widening participation
- ✓ European research infrastructures (...)
- ✓ Science with and for Society
- ✓ Gender
- ✓ International cooperation

EU-LIFE @ ERA STAKEHOLDER PLATFORM – SINCE NOV 2015

EU-LIFE @ OPEN SCIENCE PLATFORM – SINCE MAY 2016

- ✓ Topics: 3Os, European Research Area, H2020 and beyond, Open Science, Open Access, Data Regulations, EIC, Council meetings - info



At the meetings members from:
European Parliament
DG Research
DG Connect, etc.

+ Current SHO:
LERU, SCIENCE EUROPE, EUA, EARTO,
CESEAR, ERRIN, EIRMA
EU-LIFE, eventually Science Business

4 EU-LIFE POSITION PAPERS AND POLICY DOCUMENTS

- ✓ Key elements of excellence in research
- ✓ On the concept of the European Innovation Council
- ✓ Implementation of H2020 (*work in progress*)
- ✓ The next horizon (FP9) (*work in progress*)



- ✓ 4DNucleome – Consultation on topics for H2020 FET Flagship 2018
- ✓ 514 subscribers (31st May)
- ✓ Supporters from around the world



3 PRIORITY AREAS

ESTABLISHING EU-LIFE
BRAND & BUILDING
COMPETENCE

INFLUENCING
EUROPEAN SCIENCE
POLICY

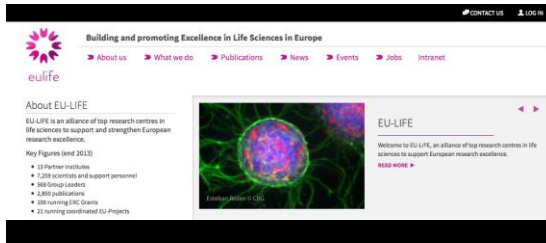
ENGAGING THE
SCIENTIFIC
COMMUNITY

WWW.EU-LIFE.EU

- Funding
- Jobs

Postdoc and Young GL focus - Expanding in future

RSS feed type – broad span



Building and promoting Excellence in Life Sciences in Europe

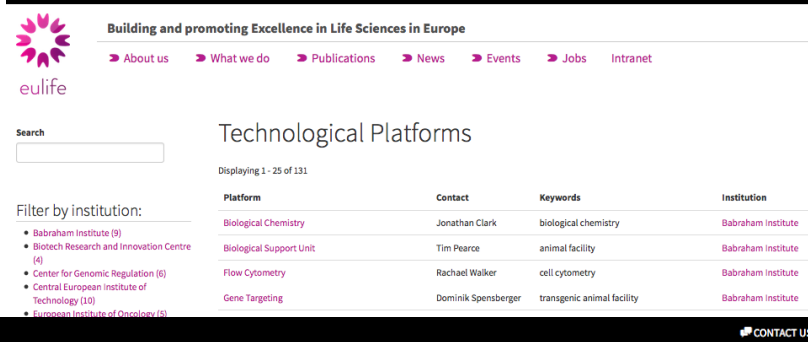
CONTACT US LOG IN

About EU-LIFE

EU-LIFE is an alliance of top research centres in life sciences to support and strengthen European research excellence.

Key Figures (end 2013)

- 13 Partner Institutes
- 5208 scientists and support personnel
- 246 Group Leaders
- 3480 Publications
- 266 Learning EU Grants
- 21 running coordinated EU Projects



Building and promoting Excellence in Life Sciences in Europe

CONTACT US LOG IN

Search

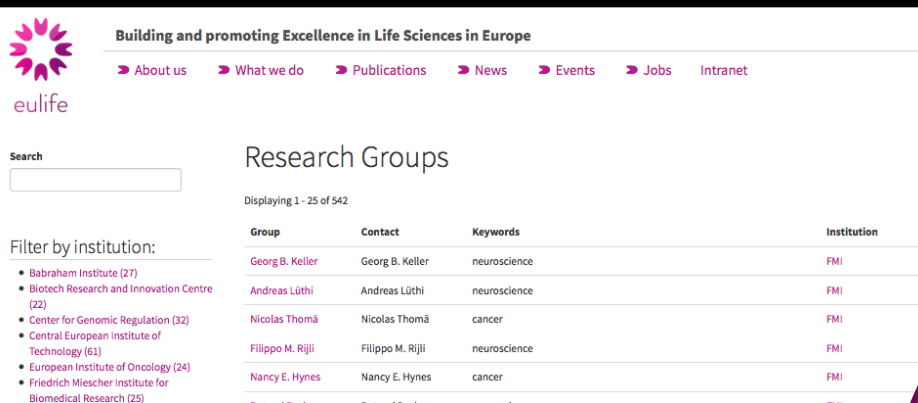
Filter by institution:

- Babraham Institute (9)
- Biotech Research and Innovation Centre (4)
- Center for Genomic Regulation (6)
- Central European Institute of Technology (10)
- European Institute of Oncology (5)

Technological Platforms

Displaying 1 - 25 of 131

Platform	Contact	Keywords	Institution
Biological Chemistry	Jonathan Clark	biological chemistry	Babraham Institute
Biological Support Unit	Tim Pearce	animal facility	Babraham Institute
Flow Cytometry	Rachael Walker	cell cytometry	Babraham Institute
Gene Targeting	Dominik Spensberger	transgenic animal facility	Babraham Institute



Building and promoting Excellence in Life Sciences in Europe

CONTACT US LOG IN

Search

Filter by institution:

- Babraham Institute (27)
- Biotech Research and Innovation Centre (22)
- Center for Genomic Regulation (32)
- Central European Institute of Technology (61)
- European Institute of Oncology (24)
- Friedrich Miescher Institute for Biomedical Research (25)

Research Groups

Displaying 1 - 25 of 542

Group	Contact	Keywords	Institution
Georg B. Keller	Georg B. Keller	neuroscience	FMI
Andreas Lüthi	Andreas Lüthi	neuroscience	FMI
Nicolas Thomä	Nicolas Thomä	cancer	FMI
Filippo M. Rijli	Filippo M. Rijli	neuroscience	FMI
Nancy E. Hynes	Nancy E. Hynes	cancer	FMI

2016 SCIENTIFIC MEETINGS



3rd EU-LIFE Scientific Workshop
Inflammation & Immunity in Health & Disease
61 Participants
13 EU-LIFE institutes



1st EU-LIFE PhD Course
Tumor Microenvironment and Metastasis
16 EU-LIFE Participants
Joint organization BRIC and FMI



EU-LIFE FAPESP Symposium, S. Paulo, Brazil
Cancer Genomics, Inflammation & Immunity
14 PIs + 1 PostDoc from 8 EU-LIFE institutes

- ✓ EU-LIFE exchange training programme (signature courses)
- ✓ EU-LIFE Annual PhD Course (started 2016)
- ✓ EU-LIFE “slots”: Access to the training programs of the 13 institutes in a tailor-suited manner
- ✓ Support to the next career move within EU-LIFE
EU-LIFE Ambassadors to share experiences, seminar sessions
- ✓ Mentoring post docs and young PIs: internal paper with best practice shared among institutes
- ✓ Technical support to grants and funding application – access to tools & knowledge from the 13 grants offices (e.g. smes list, tips for MSCA or other grants applications)



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THE WAY FORWARD

3 PRIORITY AREAS

ESTABLISHING EU-LIFE
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SCIENTIFIC
COMMUNITY

BRAND | COMPETENCE

SCIENCE POLICY

SCIENTIFIC COMMUNITY

- ✓ Spur scientific collaborations
- ✓ Visiting program
- ✓ Technical sabbaticals
- ✓ Post Doc Program
- ✓ Leadership program ---
Gender balance



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SCIENCE @ EU-LIFE

Cell & Dev Biology

Computational Biology

Synthetic Biology

Metabolic Diseases

Epigenetics

Inflammation

Proteomics

Cancer

Bioinformatics

Immunity

Plant Sciences

Infection

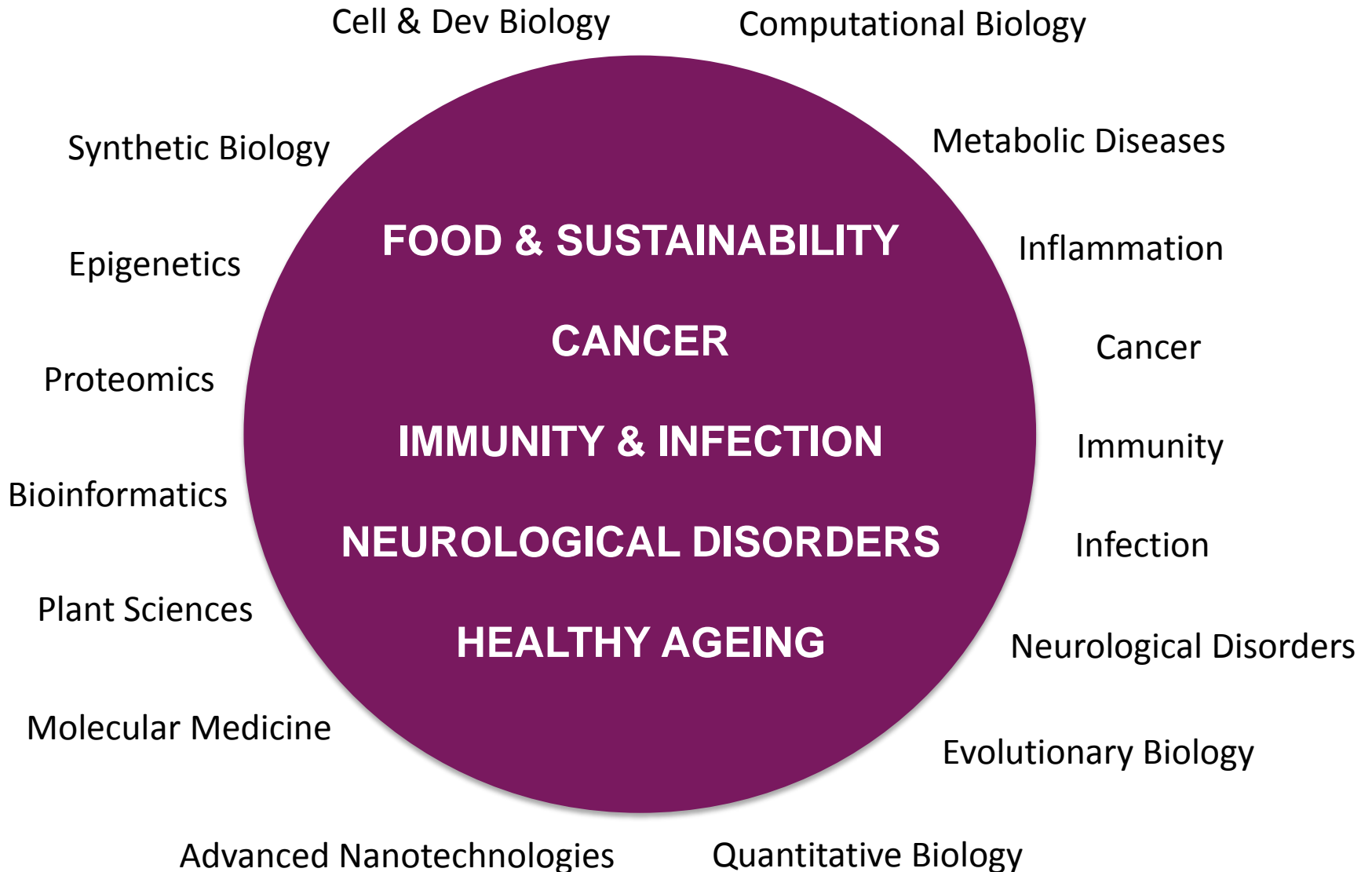
Molecular Medicine

Neurological Disorders

Advanced Nanotechnologies

Quantitative Biology

Evolutionary Biology





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BUILDING BRIDGES FOR THE FUTURE

Spur scientific collaborations
EU-LIFE / S. Paulo Research Groups

Building talent & exchange
Msc, PhDs, Post Docs, GL





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