FNR 29.03.2018

FNR Strategy Presentation & Information Session
FNR Strategy Presentation & Information Session

Programme

16:00 – 16:20
Welcome address by Marc Schiltz
Presentation of the FNR strategy and action plan 2018-2021

16:20 – 16:35
Presentation of the innovation programmes JUMP & BRIDGES by Andreea Monnat

16:35 – 16:50
Presentation of the INTER programme by Helena Burg

16:50 – 17:05
Presentation of the FNR OPEN ACCES policy and SIS activities by Michèle Weber

17:05 – 17:20
Q&A

17:20 – 18:30
Drinks reception
FNR Strategy 2018-2021
Our Vision

To establish Luxembourg as a leading knowledge-based society through science, research and innovation, thereby contributing to the country’s economic diversification and future prosperity.
Our Mission

To set up a sustainable world-class research system in Luxembourg that will generate societal and economic impact in key strategic areas
Luxembourg National Research Fund (FNR)

Our key strategic objectives

Strengthening the Foundations

• We will reinforce the development of a sustainable research system and human resource base founded on a comprehensive culture of excellence.
• We will build critical mass with the ambition to attain international scientific leadership in key areas.

Shaping a Shift in Luxembourg

• By developing research priorities that are aligned with the national strategic development plans, we ambition to fuel innovation in the business sector and support transformation of the health and public sectors.
• We build on a dialogue and close relationships between science and society, in order to support societal changes and development.

FNR as an innovative research agency

• We will develop the know-how to design, monitor and assess research strategies and programmes by evidence-based policy decisions.
• We will firmly anchor the FNR in the centre of national and international debates on research policy and strategy.
• We will innovate new ways of assessing and evaluating projects and programmes, based on the latest research and using digital technology.
The 6 building blocks of “Excellence in Research”

- Knowledge Transfer: Economic Impact
- Knowledge Transfer: Societal Impact
- Innovative Research Management
- Scientific Quality
- Public Outreach
- Teaching & Training
Luxembourg National Research Fund (FNR)

Our axes of strategic development

Strategy 2018-21

- Attract & nurture talents
- Foster international cooperation
- Stimulate Knowledge transfer
- Become an innovative research agency
- Anchor Science in Society
- Research priorities
- Strategic alignment
| Funding by career stage – funding schemes overview |

<table>
<thead>
<tr>
<th>Category</th>
<th>PHD</th>
<th>POSTDOC &amp; JUNIOR</th>
<th>ESTABLISHED</th>
<th>LEADING</th>
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<tbody>
<tr>
<td>PROJECT FUNDING</td>
<td>Multi-annual thematic project funding</td>
<td>CORE Junior</td>
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<td>Multi-annual project funding</td>
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<td>OPEN</td>
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<td>Funding for international research collaborations</td>
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<td>INTER</td>
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<tr>
<td>PEOPLE FUNDING</td>
<td>Grants to establish research groups in Luxembourg</td>
<td>ATTRACTION Starting</td>
<td>ATTRACTION Consolidator</td>
<td>PEARL</td>
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<td></td>
<td>Grants to establish research groups in Luxembourg</td>
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<td></td>
<td>Research stays in Luxembourg &amp; abroad</td>
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<tr>
<td>PHD GRANTS</td>
<td>PhD grants in Luxembourg and abroad</td>
<td>AFR Individual &amp; Bilateral</td>
<td>INDUSTRIAL FELLOWSHIPS</td>
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<td></td>
<td>Block PhD grants</td>
<td>PRIDE</td>
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<td>PhD &amp; Postdoc grants for collaborations with industry</td>
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<td>Block PhD &amp; Postdoc grants for research collaborations with industry</td>
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<tr>
<td>INNOVATION &amp; KNOWLEDGE TRANSFER SUPPORT</td>
<td>Public-private research collaborations</td>
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<td></td>
<td>Support for commercialisation of research results</td>
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<td>Support for knowledge &amp; innovation transfer</td>
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<tr>
<td>SCIENCE &amp; RESEARCH COMMUNICATION SUPPORT</td>
<td>Support for open access publishing of research results</td>
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<td></td>
<td>Support for research communication</td>
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<td>Support for promoting science to the public</td>
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Luxembourg National Research Fund (FNR)

*Our axes of strategic development*

- **Strategy 2018-21**
- **Attract & nurture talents**
- **Foster international cooperation**
- **Stimulate Knowledge transfer**
- **Become an innovative research agency**
- **Anchor Science in Society**
- **Research priorities Strategic alignment**
Quality up to the highest standards

• Quality Management System to standard ISO 9001:2015

• Evaluation Center of the University of Western Michigan (2015):
  • « The FNR’s procedure allow the FNR to efficiently, effectively and systematically select and fund the highest quality, most excellent, and potentially highest impact research in Luxembourg »
  • « The FNR does so by successfully implementing what are currently considered ‘best practices’ in peer review internationally »
FNR’s Innovation Programmes
BRIDGES
Industrial Fellowships
IPBG

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Andreea Monnat
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BRIDGES, Industrial Fellowship, IPBG

**Innovation Through Research**

- Support researchers who carry out their PhD or postdoc training in collaboration with a company in Luxembourg.
- Support block grants of PhDs and/or postdocs training in collaboration with one/several company(s) in Luxembourg.
- Support applied research partnerships between public research institutions in Luxembourg and national or international companies.

**Outcomes**

- **Industrial Fellowships (People)**
  - PhD and Postdocs
- **IPBG (Block grant people)**
  - Block of PhD and Postdocs
- **BRIDGES (Projects)**

**Capabilities and skills**

- Innovative Assets (methods, processes, algorithms)
- Copyrighted software prototypes
- Publications, Patents
Competitive funding, expert panel evaluation, short decision time

Well-defined evaluation criteria:
- Project idea and assets innovation
- Relevance R&D activities
- Quality and efficiency of the project plan
- Impact

Past Calls Success Rates:

<table>
<thead>
<tr>
<th>BRIDGES</th>
<th>Industrial Fellowships</th>
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<tbody>
<tr>
<td>2016</td>
<td>6 (75%)</td>
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<tr>
<td>2017</td>
<td>10 (77%)</td>
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<td>3</td>
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</table>

Accepted | Rejected
JUMP
(Pathfinder & POC)

KITS
(Knowledge and Innovation Transfer)

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Andreea Monnat
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**JUMP**

Pathfinder & Proof-of-Concept

- **Innovation Through Research**
  - **FNR JUMP**
  - Technologies requiring proof of market
  - Technologies requiring feasibility studies and scaling-up; proof of market must be available

- **Pathfinder (Projects)**
  - No further funding through JUMP

- **Proof of Concept (Projects)**

- **Outcomes**
  - Start-up
  - Licence
  - Sector Collaboration
  - Capabilities
  - Further Funding

- **Licence**
  - No Market
  - No Use
  - No Clients

- **No further funding through JUMP**
Competitive funding, pitches in front of expert panel evaluation, short decision time

Well-defined evaluation criteria:

- Novelty of the idea/project
- Market attractiveness and commercialization strengths
- Intellectual property and validation of the proposed technology/concept
- Competences and expertise of the proposed team

Past Calls Success:
2014-2017

![Finished POC Projects – Outcomes](image-url)
FNR's Innovation Programmes

**RPOs**
- **Pathfinder/POC**
- Sci. validated research
- Open all domains
- 4months/2years
- 50k€ Pathfinder
- 200k€ POC Tech
- 400k€ POC Bio
- **NEXT DEADLINE**
  - 28.09.2018

**RPOs/Companies**
- **PhD/postdoctoral training**
- 4 years max
- Project funding max 400k€
- 3 years max
- Company contribution 15%
- Int. company contribution 30%
- 5-15 grants max
- 25% company contribution
- Open to all domains
- **NEXT DEADLINE**
  - 12.10.2018

**KITS**
- **TTOs**
- **Admins**
- Strategic concepts
- No research
- 2 years
- 350k€ max
- **NEXT DEADLINE**
  - Mid 2019
INTER programme

29.03.2018
DR HELENA BURG
Co-funding of international research collaborations and networking activities between researchers in Luxembourg and abroad

AIM

• Foster international collaboration and support excellence in research
• Increase international visibility of Luxembourg research
• Possibility to address research questions / challenges at a larger scale

Programmes

• Project funding in the framework of bilateral or multilateral collaborations built on joint research activities
• Mobility scheme for experienced researchers
• AFR Bilateral: Specific calls for PhD and Postdoc Grants with selected partners
FNR INTER programme

Specificities

SPECIFICITIES of INTER projects:

• Joint projects will be evaluated by **1 agency only**

• Luxembourg based researchers submit **joint proposals** with foreign colleagues

• **Highest research effort** (in person months) in the country of submission

• **Evaluation** within the ‘national’ call and according to the **selection criteria** of this call

• **Balanced projects**: “real” collaboration among partners required
The Lead Agency Procedure

1. One joint application for an **integrated projects**:
   - Joint research question and a joint research plan
   - Jointly prepared and submitted by two or more co-applicants
   - The project parts carried out by the individual co-applicants must be interdependent and complementary

2. One **single evaluation process** conducted by the Lead Agency, information transmitted to the Partner Agency

3. The Partner Agency **recognises the results of the evaluation** of the Lead Agency and pronounces its funding decision

4. Each agency **funds the sub-projects** in its country, no money crosses border
SPECIFICITIES of INTER projects:

- Joint projects will be evaluated by 1 agency only

  => in general, no specific INTER call, but projects have to be submitted to the relevant national calls for proposals (exceptions: AFR bilateral, or other specific INTER calls, to be announced)

  => When FNR is the lead-agency, projects have to submitted as CORE projects (respecting the CORE rules)

  => For LU-part: General FNR eligibility and budget rules apply
If a joint project is submitted abroad, Lux-PI has to upload the following documents in the FNR online tool within 5 working days after the INTER:

- the full proposal (pdf),
- a budget justification and
- A detailed work plan (gantt chart)
- (please chose: INTER / foreign agency (e.g. ANR)

A Consortium Agreement (at least covering the IP rights) is mandatory for FNR!
Multiple Deadlines => please consult the FNR website & FNRInfo newsletter!

<table>
<thead>
<tr>
<th>Foreign Agency</th>
<th>Deadline</th>
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<tbody>
<tr>
<td>ANR, France</td>
<td>27 March 2018</td>
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<tr>
<td>FWO, Belgium</td>
<td>1 April 2018</td>
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<td>FNRS, Belgium</td>
<td>June 2018 (tbc)</td>
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<td>RCN, Norway</td>
<td>May 2018 (tbc)</td>
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<tr>
<td>RCUK, United Kingdom</td>
<td>Various deadlines</td>
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<tr>
<td>SNSF, Switzerland</td>
<td>1 April 2018; 1 Oct 2018</td>
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<tr>
<td>DFG (DE); NSF (US); FWF (AT)</td>
<td>Ongoing</td>
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<tr>
<td>CNRS, France</td>
<td>Various deadlines</td>
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<tr>
<td>EMBL; DFG; NCBR, FWF, FCT; SNSF</td>
<td>CORE DEADLINE</td>
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FNR Multilateral Cooperations
Multilateral Cooperation

FNR Contacts

Marie-Claude Marx

Susanne Rick

Helena Burg

Frank Glod

Asaël Rouby

Christiane Kaell

Andreea Monnat
• **INTER Mobility** scheme for experienced researchers
  • **Fulbright**

• **AFR Bilateral** Specific calls for PhD and Postdoc Grants with selected partners

• **COST**
INTER MOBILITY Programme
International exchange between researchers

Secondment of a researcher:

• From Luxembourg to a foreign public or private research institution
  => aiming secondments to excellent foreign institutions

• From a foreign institution to a Luxembourg public sector research institution
  => aiming to attract excellent researchers from abroad

Duration: 6 weeks to 1 year

Funding: full cost coverage

Calls: 2 deadlines per year (*January and June*)

=> important: Transfer of knowledge to the Luxembourg research institution
Fulbright awards for Luxembourg citizens

• Co-funding of grants for **pre- and postdoctoral research visits** to US institutions within the framework of the prestigious **Fulbright** awards programme

• Duration of research visits: 3 to 9 months

• **Call** deadline: 1 Dec 2018, 12 CET

Eligible applicants must complete an online application available via links on the **Fulbright Commission’s website**
AFR Bilateral

• **PhD- and Postdoc grants** conducted jointly in Luxembourg and abroad; beneficiaries have to be employed in Luxembourg

• To foster bilateral research collaboration and strengthen networking activities between public research institutions of both countries.

• Funding is provided by FNR (no involvement of other funding agencies)
  
  • **Open calls**: NASA-ARC, ERCIM, Ecole de Rome
  
  • **Specific calls** for specific partnerships (e.g. RIKEN, Singapore) and will be published on the FNR website

• For eligibility requirements, please consult our website

[https://www.fnr.lu/international-cooperation/](https://www.fnr.lu/international-cooperation/)
COST

- To strengthen **networking activities** between researchers and to foster research collaboration
- Luxembourg can nominate up to 2 delegates (MC) per COST Action
  => open to all interested parties!
- COST provides travel budget to attend Action meetings
- For eligibility requirements, please consult our website

[https://www.fnr.lu/international-cooperation/cost](https://www.fnr.lu/international-cooperation/cost)
FNR INTER Funding Possibilities
General Process and Key take-away messages

• Information on open calls are published on the FNR website
  www.fnr.lu/internation-cooperation-opportunities/

• Each collaboration has its own requirements, specificities and deadlines

• Selection process is similar in all funding schemes:
  Submission ➔ Eligibility check ➔ Peer review ➔ Funding decision

• A variety of funding opportunities for different types of beneficiaries

• Use them strategically

• FNR appreciates to give advice

• Keep yourself updated by registering to FNR info newsletter on our website www.fnr.lu
FNR INTER & INTER MOBILITY
Contact & more information

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Open Access Policy
Open Access Publications = Publications that can be accessed, read and reused for free through the internet, as soon as possible, with the condition that work is attributed to author.

**WHY OPEN ACCESS?**

**FOR RESEARCHERS**
More efficient and effective use of research results

**FOR SCIENCE**
Increases the visibility of researchers and their research institutions

**FOR THE ECONOMY**
Maximises the potential for innovation

**FOR SOCIETY**
Bigger return on investment of public money
FNR Open Access Policy
For projects receiving funding decisions after 1 January 2017

• The FNR requires that Open Access options are selected for scientific publications resulting from FNR (co-)funding (exception: scientific monographs)

• Based on European principles and National Open Access Policy elaborated by FNR, 3LIU and BnL (approved in 2016)

https://www.fnr.lu/fnr-beneficiaries/how-we-fund-research/
Regardless of the option chosen, an electronic copy of the published version or final peer-reviewed manuscript accepted for publication must always be deposited in an Open Access repository for scientific publications.

**FNR Open Access Policy**

**How to comply**

- **Green**
  - Deposit **post-print** in repository within 6 months (12 months for social sciences)
  - [www.opendoar.org](http://www.opendoar.org)
  - [http://www.sherpa.ac.uk/romeo](http://www.sherpa.ac.uk/romeo)

- **Gold**
  - Publish in an Open Access journal
  - Pay article processing charges (APCs)

- **Hybrid**
  - [www.doaj.org](http://www.doaj.org)
  - [www.fnr.lu/open-access-fund](http://www.fnr.lu/open-access-fund)
• **The FNR will reimburse costs associated with publishing in Open Access** (conditions apply)

• Peer-reviewed publications arising from FNR-(co)funded research (scientific articles and monographs) that received funding decisions after 1 January 2017

• ATTRACT, AFR, CORE, BRIDGES (CORE-PPP), INTER, INTER Mobility, IPBG, INDUSTRIAL FELLOWSHIPS (AFR-PPP), JUMP (POC), NCER, OPEN, PEARL, PRIDE (also eligible PRIDE 2016 beneficiaries)

• Up to 3 years after the end of the FNR contract

• 3LIU: one collective application per year

• Deadline: 30 June
New funding instrument: FNR Open Access Fund

Eligible costs

- Articles: only article processing charges (APCs)
  - Gold: up to 2.500 EUR
  - Hybrid (for the time being): up to 1.500 EUR
- Monographs: production costs and the costs of simultaneous Open Access publication up to 2.000 EUR
- FNR-funding must be acknowledged
- Guidelines & FAQs: [www.fnr.lu/open-access-fund](http://www.fnr.lu/open-access-fund)
New funding instrument: FNR Open Access Fund
Changes in how we fund scientific publications

Previously
- Researchers apply in advance to cover estimated costs related to expected scientific publications as part of project grants
- From 2017, they can longer do that

New from 2018
- Institutions apply for a refund of costs related to actually published scientific publications through the new FNR Open Access Fund
- ONLY Open Access costs are reimbursed

CORE
CORE-PPP
OPEN
ATTRACT
PEARL
INTER
INTER MOBILITY
PRIDE

OPEN ACCESS
FUND
For all projects that received funding decisions before January 1\textsuperscript{st} 2017:

- specific rules for funding of publication costs approved will remain valid until the end of the contract with FNR.

- publications from these projects are \textbf{not} eligible for reimbursement through the Open Access Fund instrument

- FNR advises to ensure Open Access to all publications resulting from these projects.
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https://www.fnr.lu/open-access-fund/
Science in Society
Anchoring science and research in society

Why?

Opinion Poll:

Are you interested in research in Luxembourg?

- not at all/a little bit: 39%
- somewhat/very interested: 61%

Are you well informed about research in Luxembourg?

- not at all/a little bit: 68%
- somewhat/very interested: 32%

Would you like to be more informed?

- Yes: 66%
- No: 21%
- Don’t know: 13%
We intend to **stimulate and reward the exchange between science and society** by offering a variety of platforms - that can be used by all scientists!
Science in Society at FNR

Events: encourage face-to-face exchange

FRIDAY 30 NOVEMBER
SATURDAY 1 DECEMBER
2018

CALL FOR PROPOSALS OPEN!
DEADLINE 13 APRIL

www.researchersdays.lu

Luxembourg National Research Fund
Science in Society at FNR
Events: encourage face-to-face exchange

Chercheurs à l’école: from 19-23 March 2018
124 researchers, 75 sessions, 28 secondary schools

Pairing Scheme: next encounters foreseen for 2019
2016/17: 17 pairs (researchers – politicians)
Science in Society at FNR
*Media to reach a broad audience via local channels*

Mr Science – PISA Wëssensmagazin (RTL Télévision)
Launched in 2009. Was voted the most interesting show among RTL’s programme in 2014.

Mr Science – RTL Radio, Eldoradio
Since 2009 (Eldoradio) and 2010 (RTL Radio), every two weeks
Media: to reach a broad audience via local channels

Website: science.lu
Since 2013

Today:

+- 1000 sessions/day
+- 22,000 fans on Facebook
Over 250 videos on YouTube
Science in Society at FNR
Training: to prepare multipliers to engage with the public

- Science Communication Course @ University for PhD students: June-July 2018
- How to cooperate with the media (dates t.b.c.)
- How to present your research in an online article (dates t.b.c.)
- How to present your research in a video (dates t.b.c.)
- How to present your research in a workshop (on demand)
- Training for animators / Training for teachers

Sign up to the FNR Info newsletter or check https://www.fnr.lu/science-in-society/
PSP: Promoting Science to the Public

PSP Classic
- Deadlines: 1.3.2018 and 20.10.2018
- Funding granted: up to € 50,000 (co-funding) per applicant per year for projects lasting up to 1 year.

PSP Flagship
- Deadline: 15.5.2018
- Funding granted over three years (kick-start)
- For long-term high-impact initiatives
Science in Society at FNR

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https://www.fnr.lu/science-in-society/
Questions & Answers
Luxembourg National Research Fund (FNR)
Your contacts for the FNR programmes

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Angelina Clemens
Sandra Nittel

https://www.fnr.lu/our-team/
https://www.fnr.lu/funding/