

novo  
nordisk  
fonden

Strategy for the  
Novo Nordisk Foundation

2019-2023

# ORIGINS OF THE NOVO NORDISK FOUNDATION

The scientists

Marie Krogh

August Krogh

The clinician:



H.C. Hagedorn

The investor:



August Kongsted

The entrepreneurs:



Thorvald Pedersen



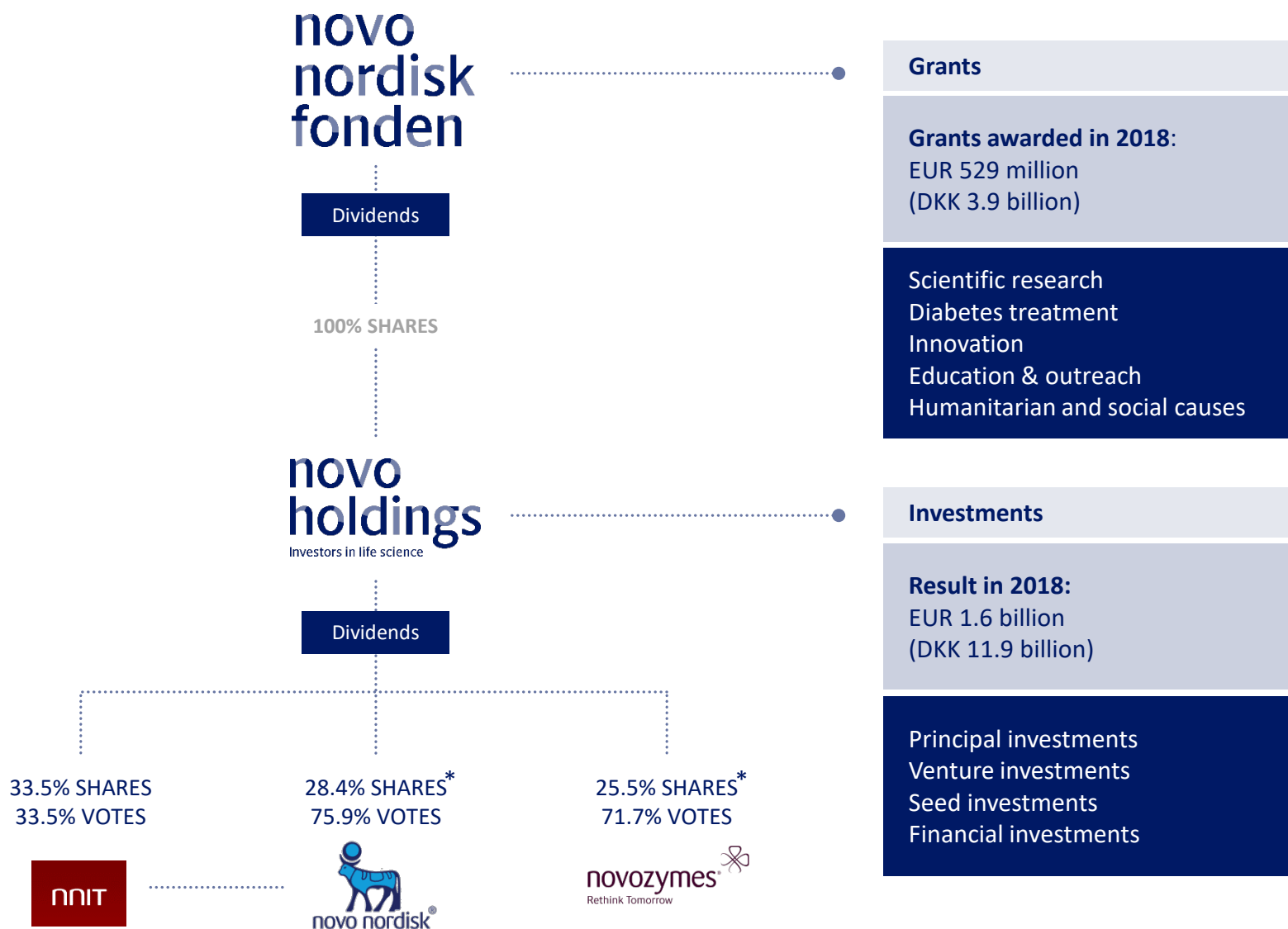
Harald Pedersen

# An independent foundation with corporate interests

\*) Through Novo Holdings, the Foundation has A-shares in Novo Nordisk and Novozymes.

A-shares have 10 times voting power per share

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Knowledge is the key





# Our objectives

## Corporate objective

- to provide a stable basis for the commercial and research activities of the Novo Group companies  
(and of companies in which the Novo Holdings A/S may hold a material equity interest or over which it may have material influence)

## Grant-giving objectives

- to support physiological, endocrinological, metabolic and other medical research,
- to support Danish research hospital activities within diabetes,
- to support other scientific, humanitarian and social purposes

## Our vision

The Novo Nordisk Foundation's ***vision*** is to contribute significantly to research and development that improves the lives of people and the sustainability of society.

## Our mission

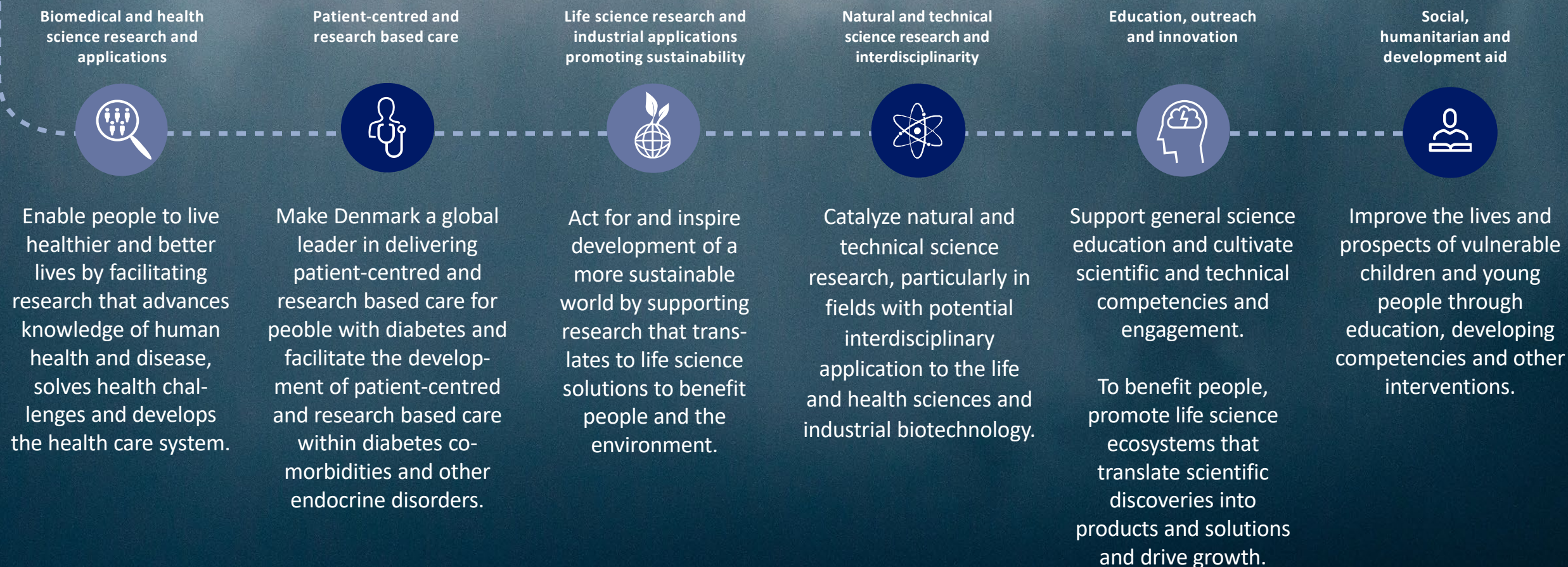
- › To enable Novo Nordisk A/S and Novozymes A/S to create world-class business results and contribute to growth
- › To develop knowledge-based environments in which innovative and talented people can carry out research of the highest quality and translate discoveries into new treatments and solutions
- › To inspire and enable children and young people to learn

## Our centre of gravity

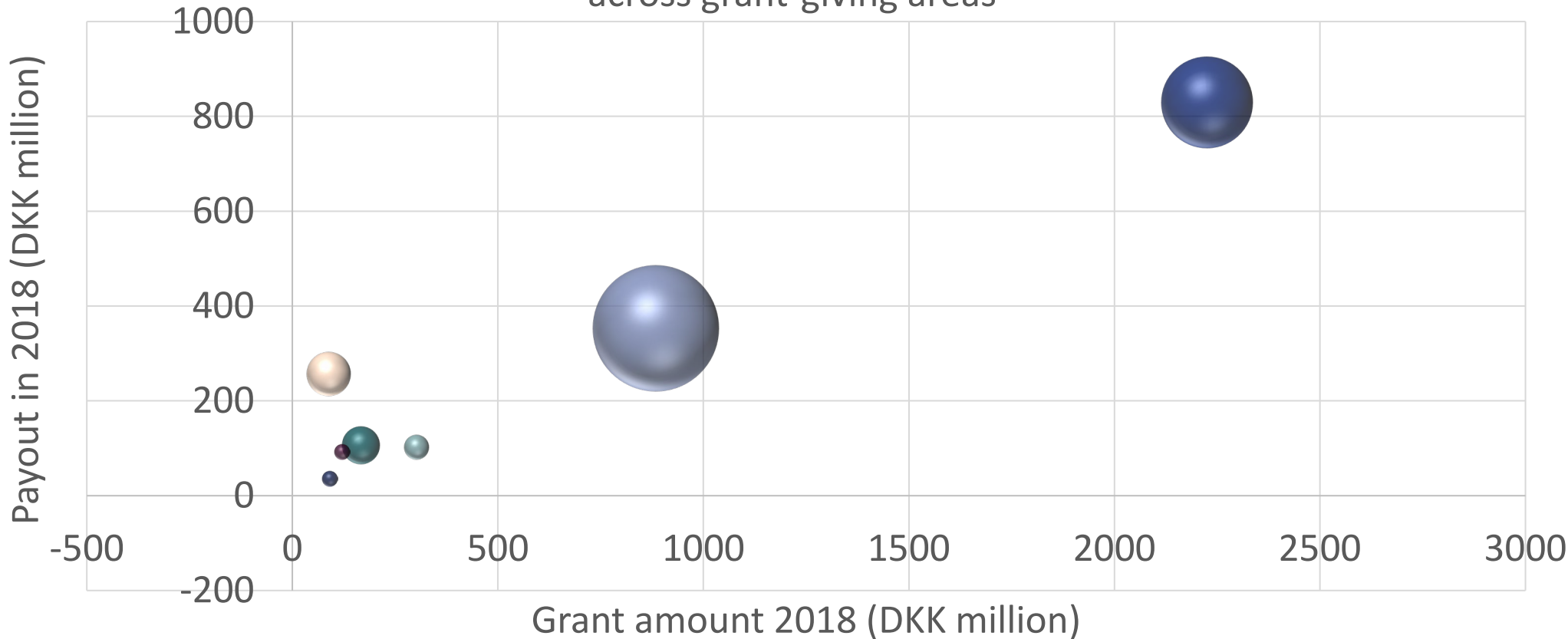
- › The primary geographical focus of the Foundation's grant-awarding activities will be Denmark, followed by the Nordic countries
- › The Foundation's commercial activities will be international



# Grant-awarding focus areas and long-term objectives



Grant amount and payouts in 2018 and grant committments primo 2019  
across grant-giving areas



- Biomedical research
- Biotech
- Education and Outreach
- Social and humanitarian
- Patient care
- Nat-tech and interdisciplinary research
- Innovation



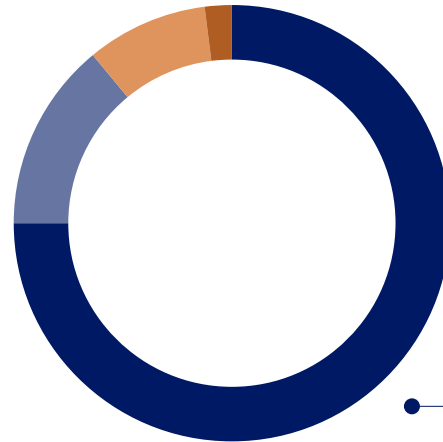
# Funding of public research in Denmark

Novo Nordisk Foundation's share of the  
**total funding:**

**2018: 6%**  
(estimate)

Novo Nordisk Foundation's share within the  
**life-sciences:**

**2018: 25%**  
(estimate)

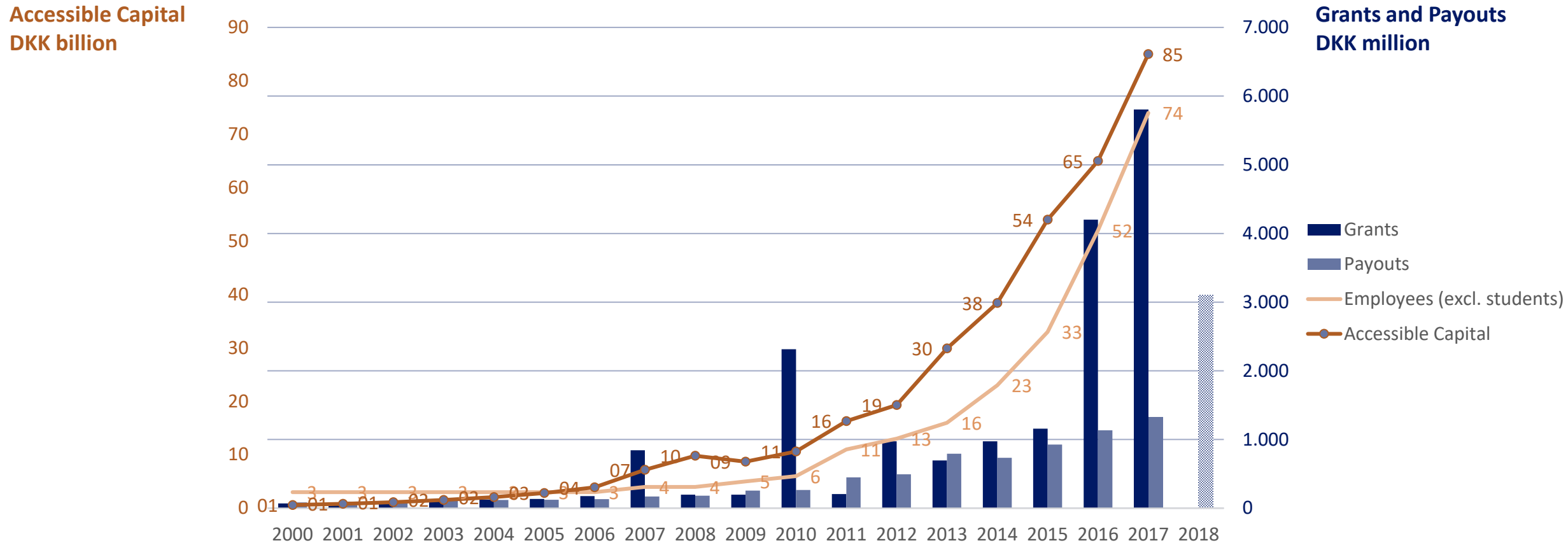


**2018**

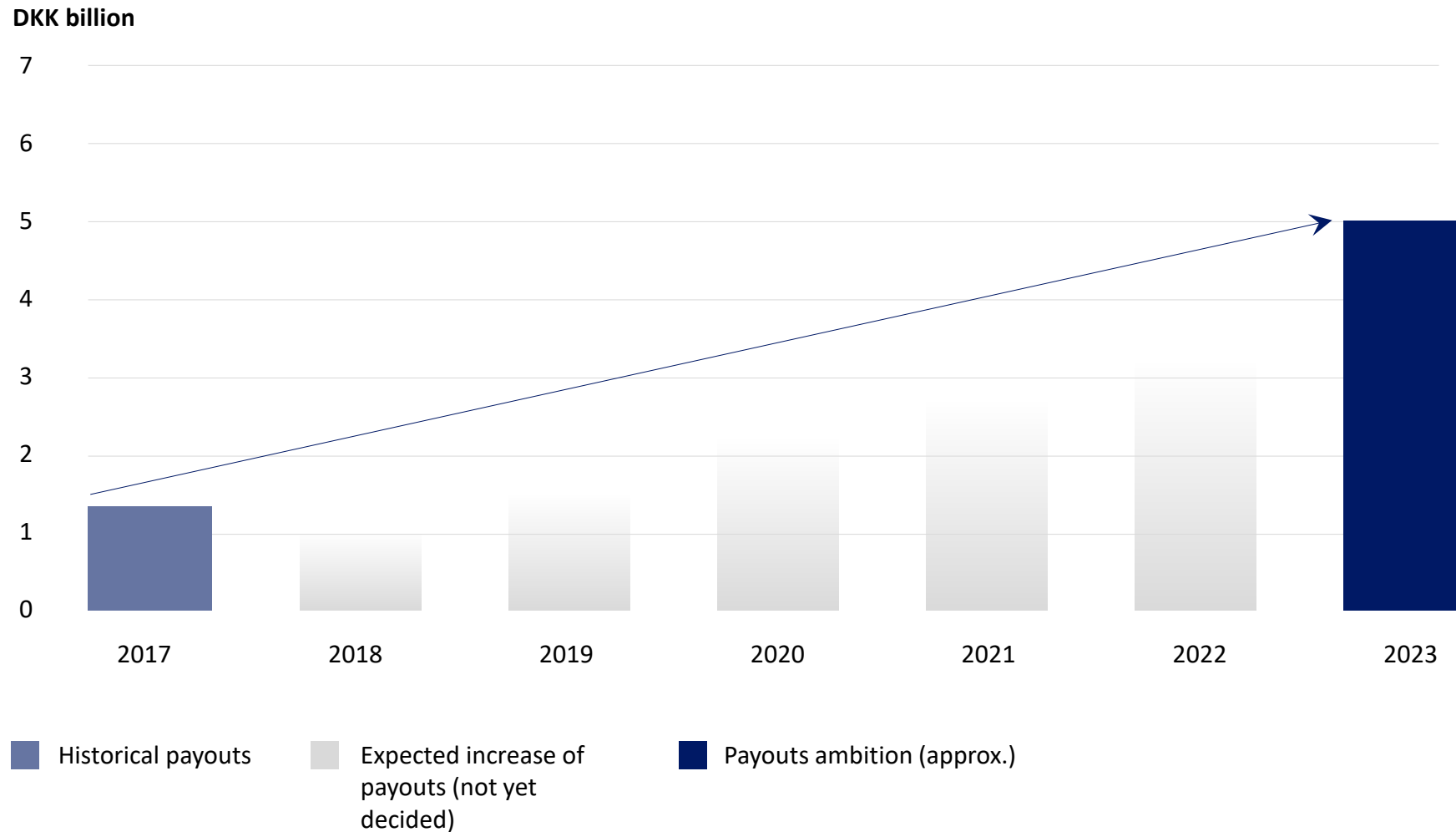
National public funding **74%**  
Private foundations **14%**  
Foreign src. Incl. EU **9%**  
Private Danish companies **3%**



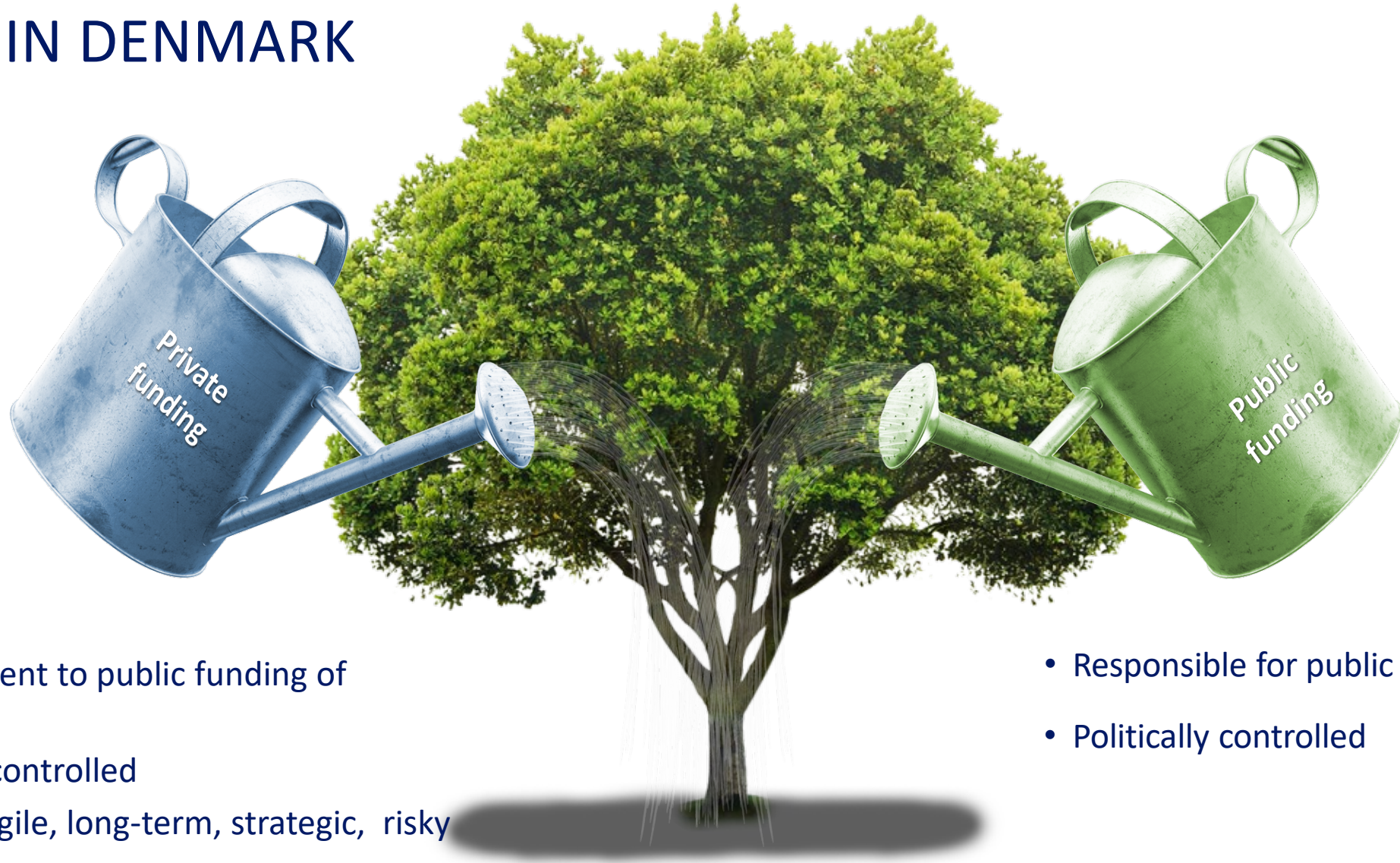
# Development in grants, payouts, accessible capital and employees



# Growth trajectory for total payouts by the Novo Nordisk Foundation



# ROLES IN DENMARK



- Supplement to public funding of research
- Privately controlled
- Can be agile, long-term, strategic, risky

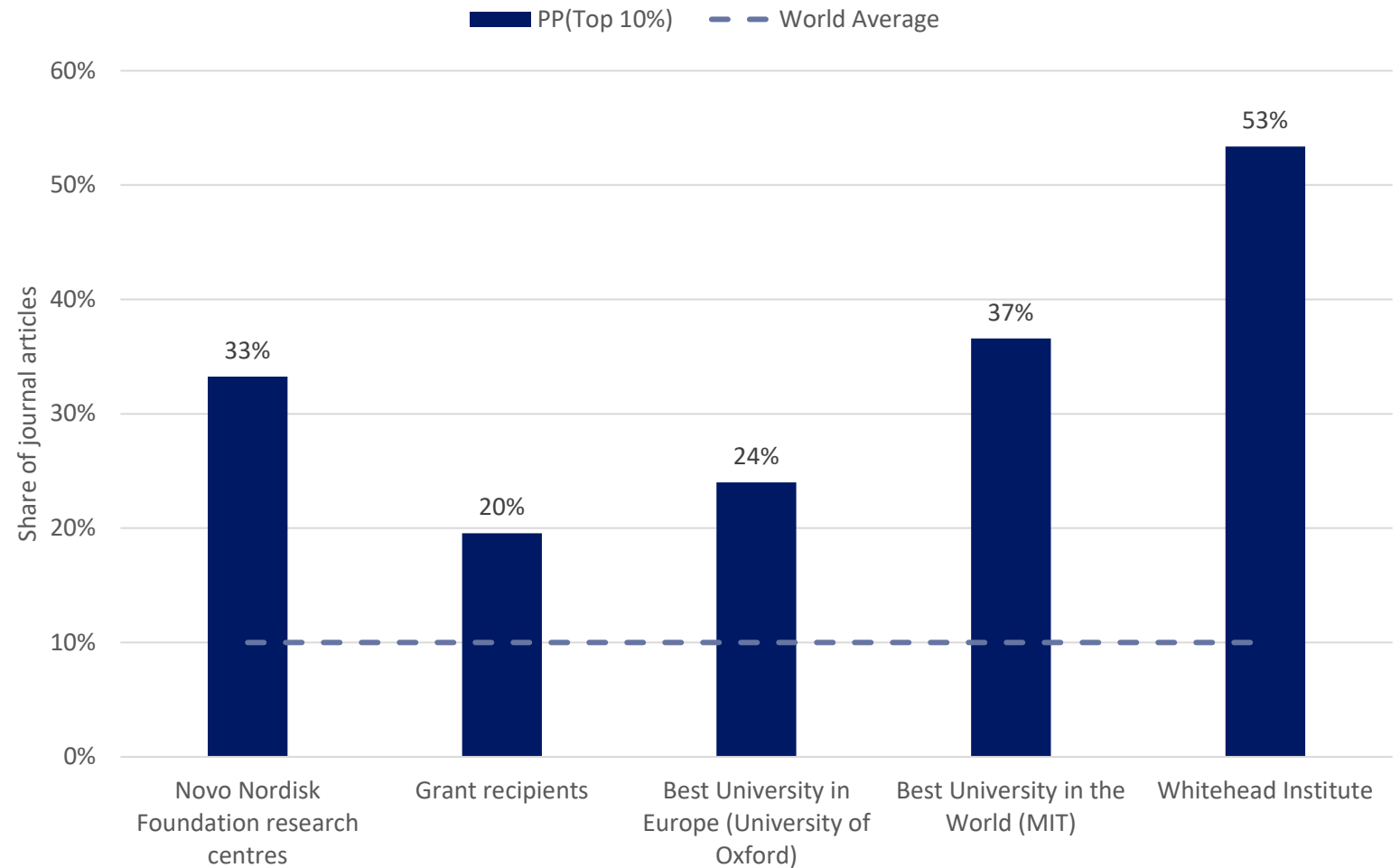
- Responsible for public research
- Politically controlled



# Benchmark of citation impact of journal articles

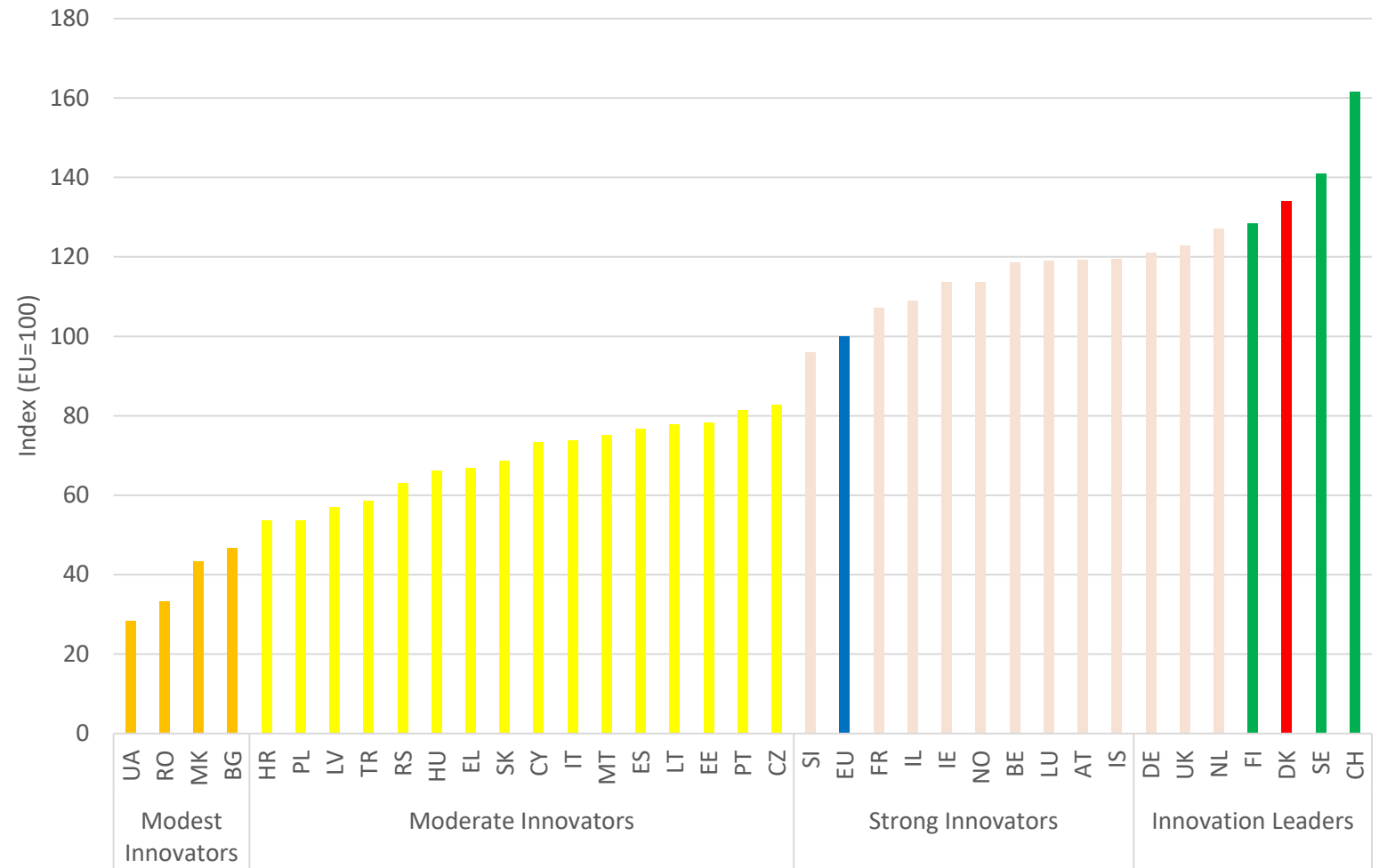
- PP(top 10%) within biomedical and health sciences. 2013-2015

- Source: Novo Nordisk Fonden (2018): Societal Impact of Novo Noridks Foundation Grants 2017

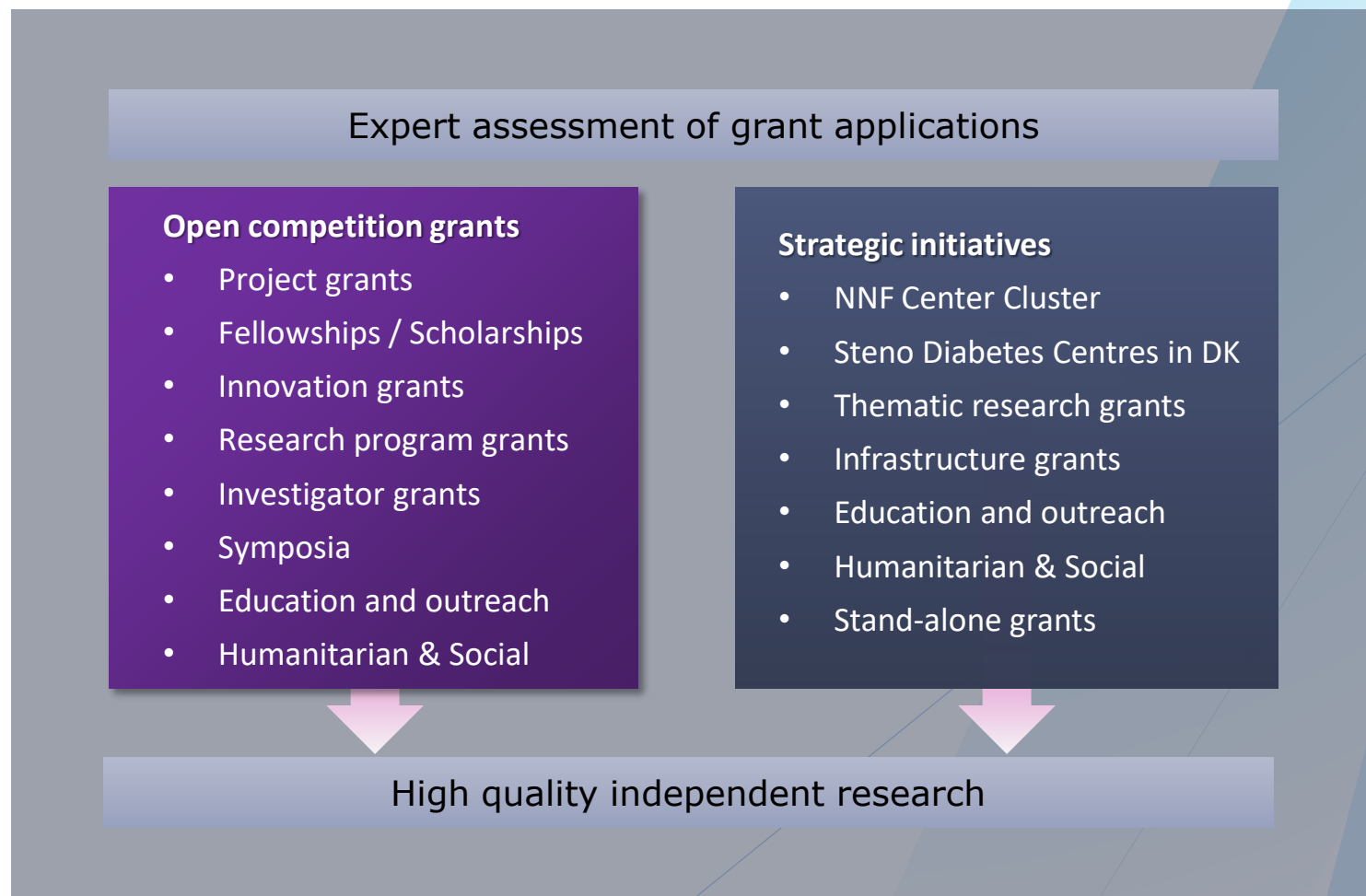


# Performance of EU-28 Member States' Innovation systems. 2016

Source: European Innovation Scoreboard 2017:  
<http://ec.europa.eu/DocsRoom/documents/24829>



# TWO WAYS OF AWARDING RESEARCH GRANTS





# Research and innovation grants

Laureate Research  
Grant  
Young Investigator  
Award  
Hallas Møller  
Investigator  
Excellence Project  
Boegaard Clinical  
Scientist



Ph.d.- og  
post.doc.-  
fellowships

Research  
Leader  
Programs



Project Grants

Challenge  
Programme  
Interdisciplinary  
Synergy Programme

Prizes

Humanitarian  
& Social



# 18 COMMITTEES

~100 COMMITTEE MEMBERSHIPS (~80 MEMBERS)

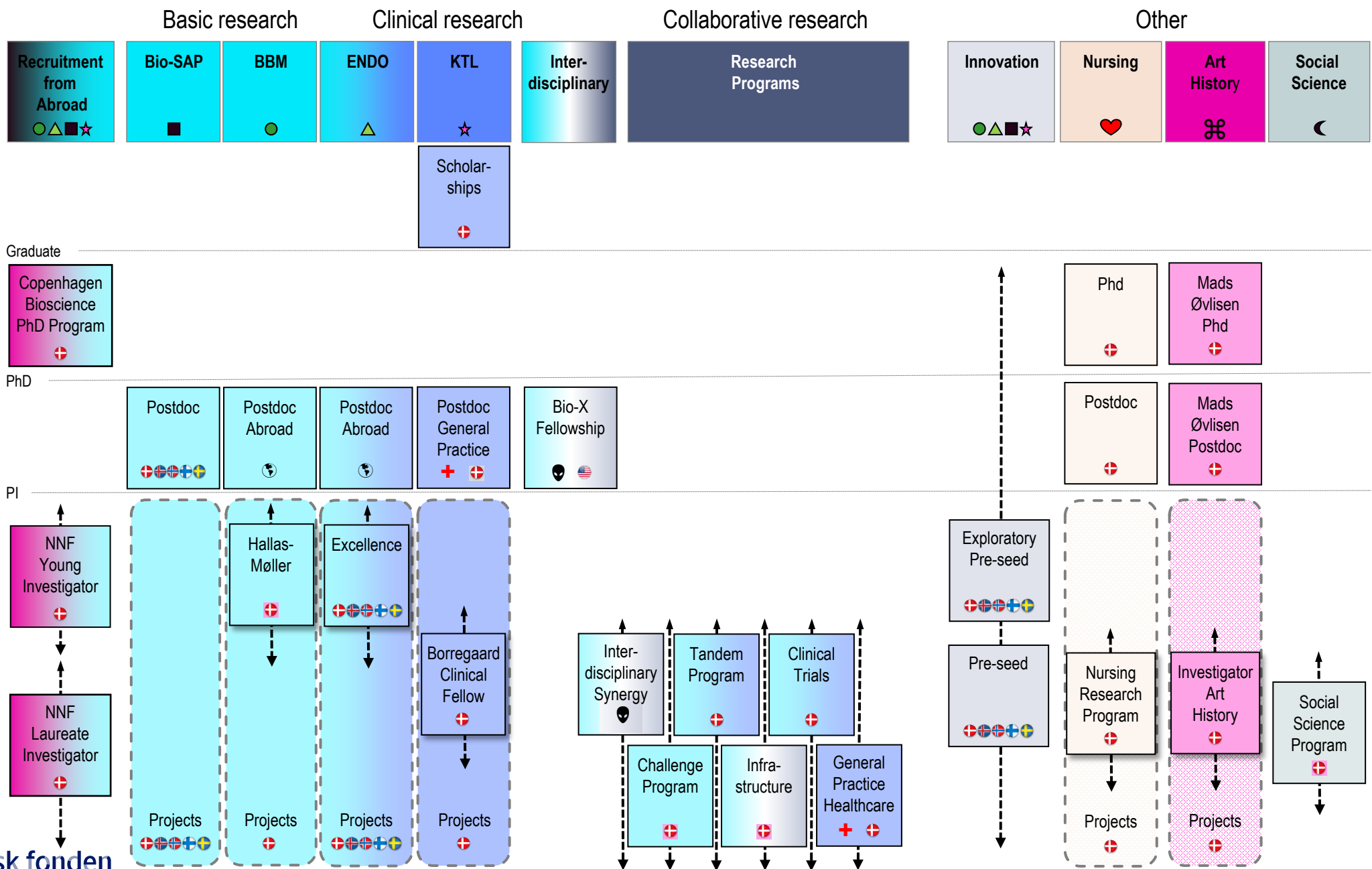
- Committee on Bioscience and Basic Biomedicine
- Committee on Clinical and Translational Medicine
- Committee on Endocrinology and Metabolism – Nordic Countries
- Committee on Biotechnology-based Synthesis and Production Research – Nordic Countries
- Committee on Nursing Research
- Committee on Research in Art and Art History
- Committee on Interdisciplinary Research
- Committee on the Challenge Programme (x3)
- Committee on Steno Research Collaboration
- Committee on the Infrastructure Programme
- Committee on the Social Science Research Programme
- Committee on International Research Leader Grants
- Committee on the NNF Symposia - Nordic
- Committee on the Novo Nordisk Prize
- Committee on the Novozymes Prize - European
- Committee on Exploratory Pre-seed Grants (Nordic Countries)

**Novo Nordisk Fonden supports clinical and general practice medicine, epidemiological and translational research, biomedical science, biotechnological research, basic research within natural sciences with relevance for understanding the human organism, and innovation activities within these fields.**  
**In addition, we support nursing research and research in art and art history.**

RESEARCHER LEVEL

RESEARCH TYPE

Principal Investigator  
Senior  
Intermediate  
Junior  
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- Research Area**
- Biotechnology (Bio-SAP)
  - Bioscience & Basic Biomedicine (BBM)
  - ▲ Endocrinology & Metabolism (ENDO)
  - ★ Clinical, Epidemiological & Translational
  - ▲■☆ All areas of life and bioscience
  - ✚ General Practice
  - 💀 Interdisciplinary
  - ❤ Nursing
  - 🎨 Art History
  - 🌙 Social Science



## Committee on Endocrinology and metabolism – 9 Members

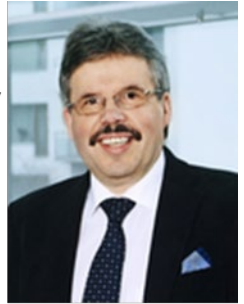
Anna Christina Krook  
Professor, Department of  
Physiology and  
Pharmacology,  
Karolinska Institutet,  
Stockholm, Sweden



Pål Rasmus Njølstad, Professor, KG  
Jebesen Center for Diabetes  
Research,  
University of Bergen and  
Consultant, Haukeland University  
Hospital, Bergen, Norway



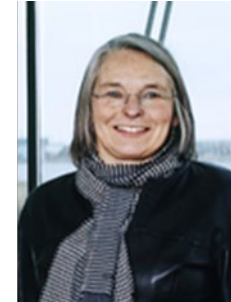
Mikael Knip, Professor of  
Pediatrics and Chief Physician,  
Children's Hospital,  
Helsinki University Central  
Hospital, Department of  
Paediatrics,  
University of Helsinki, Finland



Lea Sistonen, Professor of  
Cell and Molecular Biology,  
Department of Biosciences,  
Åbo Akademi University,  
Turku, Finland



Trine Bjørø, Professor, Department  
of Medical Biochemistry,  
University of Oslo and Head,  
Thyroid Programme,  
Oslo University Hospital, Norway



Mette M. Rosenkilde  
Professor, Department of  
Neuroscience  
and Pharmacology, University  
of Copenhagen,  
Denmark



Lena Eliasson, Professor,  
Institut for Klinisk Videnskab,  
Lund Universitets Diabetescenter,  
Malmö, Sverige

Laszlo Hegedüs, Professor,  
Department of Endocrinology and  
Metabolism, Odense University  
Hospital  
University of Southern Denmark



Mikael Rydén, Professor,  
Clinical and Experimental  
Adipose Tissue Research,  
Karolinska and  
Senior Consultant in  
Endocrinology,  
Karolinska University Hospital



# Committee on Biotechnology-based Synthesis and Production Research

## HENRIK CALLESEN

Chair  
Professor, PhD, DVSc, Department of Animal Science, Aarhus  
University, Denmark ✓



## VINCENT G. H. EIJSINK

Professor, Department of Chemistry, Biotechnology and Food  
Science, Norwegian University of Life Sciences, Ås, Norway ✓



## MERJA ELISA PENTTILÄ

Research Professor, VTT Technical Research Centre of Finland Ltd,  
Espoo, Finland ✓



## JAN K. SCHJØRRING

Professor and Head, Section of Plant and Soil Science, Department  
of Plant and Environmental Sciences, Faculty of Science, University  
of Copenhagen, Denmark ✓



## STEVE OLIVER

Professor, Department of Biochemistry, University of Cambridge  
and Director, Cambridge Systems Biology Centre, United Kingdom ✓



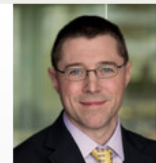
## SARA LINSE

Professor in Molecular Protein Science and Physical Chemistry,  
Department of Biochemistry and Structural Biology, and  
Department of Chemistry, Lund University, Sweden ✓



## DAVID SPRING

Professor, Department of Chemistry, University of Cambridge,  
United Kingdom ✓



# Committee on Exploratory Pre-seed Grants

## LARS FUGGER

Chair, professor, MD, PhD., Nuffield Department of Clinical Neurosciences, Division of Clinical Neurology, John Radcliffe Hospital, University of Oxford, United Kingdom



## SØREN KRAGH MOESTRUP

Professor, Department of Biomedicine, Aarhus University and Institute of Molecular Medicine, University of Southern Denmark

Has been a member since 2011



## THUE W. SCHWARTZ

Professor of Molecular Pharmacology, Department of Neuroscience and Pharmacology, University of Copenhagen, Denmark



## EMMANUELLE COUTANCEAU

Investment Director, Novo Seeds, Novo A/S, Denmark



## LENE ODDERSHEDE

Professor, Group Leader of the Optical Tweezers Group, Niels Bohr Institute



## MORTEN GRAUGAARD DØSSING

Investment Director, Novo Seeds, Novo A/S, Denmark

Has been a member since 2017



## DIANA MUFTIC

Associate, Novo Seeds, Novo A/S, Denmark

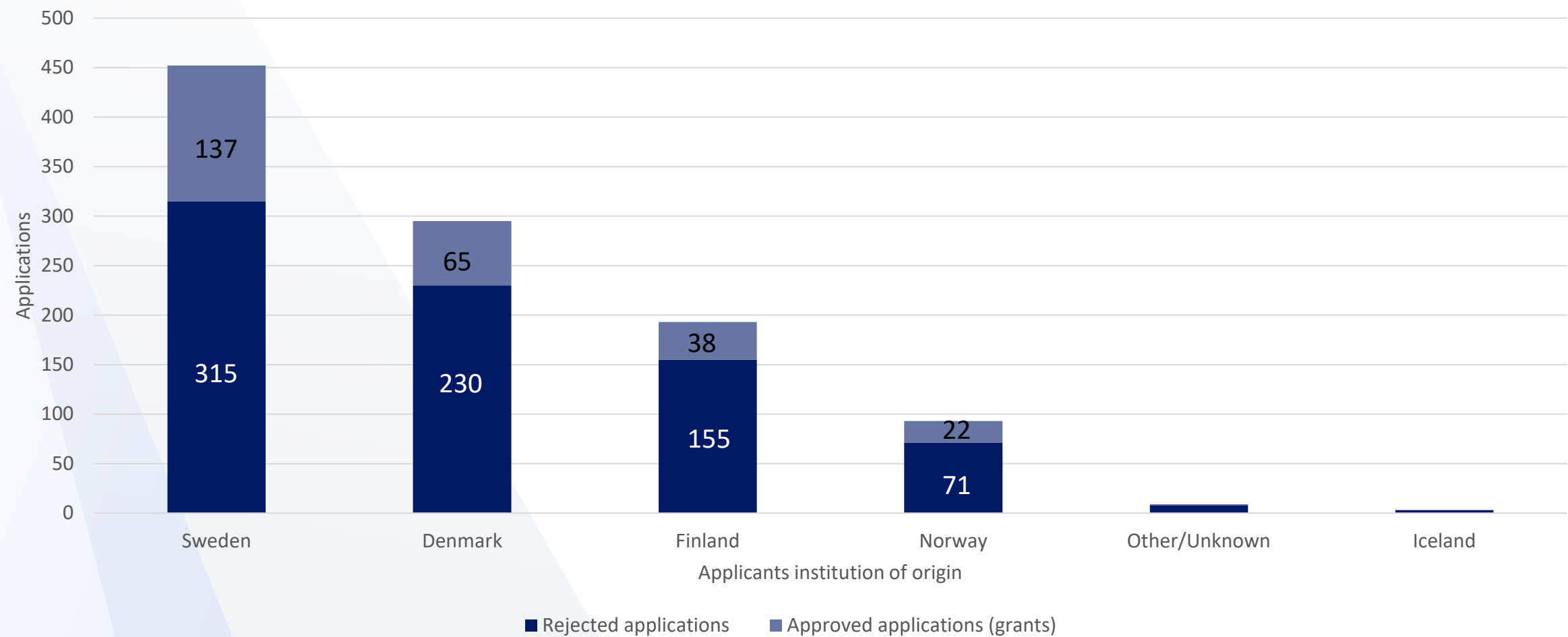
Has been a member since 2017






# Committee on Endocrinology and Metabolism

## Funded and non-funded grant applications 2013-2016





Postdoctoral fellowships, Project grants, Investigator grants, Innovation grants,  
Programme grants



# Postdoctoral Fellowships

Funding mainly covers applicants' own salary, direct running costs, travelling for and participation in conferences, etc.

Additional for Postdoc Fellowships for Research Abroad (*only*): Support for expenses related to relocation, accompanying family members, and general expenses related to living abroad (visa processing, health insurance, etc.).

# POSTDOC FELLOWSHIPS

## POSTDOC FELLOWSHIPS FOR RESEARCH IN ***BIOTECHNOLOGY-BASED SYNTHESIS & PRODUCTION***

### Purpose

- Fundamental and applied research aimed at generating products in improved and more sustainable ways

### Eligibility

- Applicant must have obtained Phd degree within 6 years
- Anchored at institution in Nordic country
- Projects must involve:
  - Clear element of biotechnology
  - Can be combined with any other scientific or engineering discipline

### FACTS

Place of research: Nordic countries

Duration: 1-3 years, at least 1 year at own (Nordic) institution, 6-12 months abroad

Grant amount: DKK 800.000 per year + DKK 100.000 for stay abroad

Grants per year: Approx. 8 per year

Total grant budget: DKK 13,4 mio.

Evaluation: Committee on Biotechnology-based Synthesis and Production (BioSAP)



# POSTDOC FELLOWSHIPS

## POSTDOC FELLOWSHIPS FOR RESEARCH ABROAD

- ***BIOSCIENCE AND BASIC BIOMEDICINE***
- ***ENDOCRINOLOGY AND METABOLISM – NORDIC***

### Purpose

- Give young promising researchers the opportunity to gain experience, training and knowledge in an international research environment
- Facilitate the grantees return to, and continued career in, the research environment after stay abroad

### Eligibility

- Applicant must have obtained Phd degree within 5 years
- Grantee must be associated to home institution throughout fellowship, even when abroad

### FACTS

Place of research: **Anywhere abroad**

Duration: **4 years: 3 years abroad + 1 year in Denmark or Nordic country**

Grant amount: **DKK 4 mio.**

Grants per year: **4 (BBM) + 6 (ENDO) per year**

Total grant budget: **DKK 40 mio.**

Evaluation: **Committee on Bioscience and Basic Biomedicine; Committee on Endocrinology and Metabolism – Nordic**

# Project grants

Grants aimed at providing operating expenses, funds for technical or scientific assistants (e.g. post docs or ph.d. stipends), travel expenses and publication costs

Applicant **cannot** apply for own salary!

# PROJECT GRANTS

## PROJECT GRANTS

### Purpose

- Maintain a broad range of research at the highest international level, within:
  - Bioscience and basic biomedicine (BBM)
  - Endocrinology and metabolism (Nordic) (ENDO)
  - Clinical and translational medical research (KTL)
  - Biotechnology-based synthesis and production (Nordic) (BioSAP)

### Eligibility

- Applicants must have own salary and be principal investigators (or in the process of establishing themselves as PIs).
- 1 application per applicant per committee
- 1 application per project

### FACTS

**Place of research:** Denmark/Nordic countries

**Duration:** 1-3 years

**Grant amount:** DKK 300.000 to 3 mio.

**Grants per year:** 150-200 grants per year

**Total grant budget:** DKK 209,5 mio.

**Evaluation:** By relevant committee, as indicated by the subjects



# Investigator grants

Establishment and/or development of **research leaders** at all career stages.

Grants aimed at providing own salary (stipend) and funding for running costs, technical and scientific assistants (e.g. post docs and ph.d. stipends) and other relevant expenses for long-term projects (5+ years).



# INVESTIGATOR GRANTS

## NEW INITIATIVE: NNF CAREER DEVELOPMENT GRANTS

### Purpose

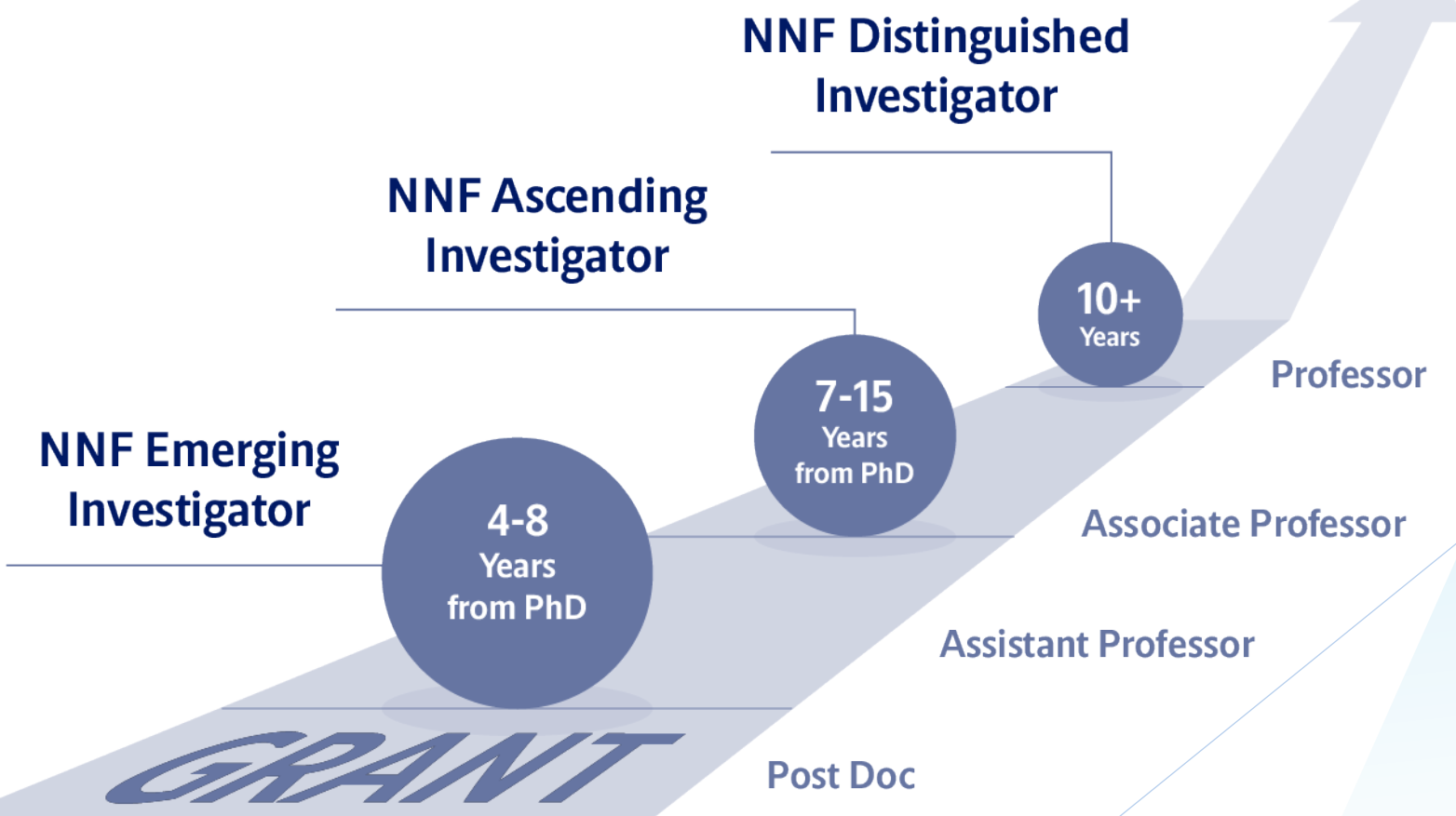
- To support the best and the most creative research leaders at all steps of their careers.
- To stimulate excellence and the possibility to pursue ambitious and relevant projects.

### Eligibility

- Each targets principle investigators at specific career-stages, with relevant requirements in each call.
- Excellence is the main evaluation criteria.
- The project and the applicant must be anchored at a Danish research institution.

# INVESTIGATOR GRANTS

## NNF CAREER DEVELOPMENT GRANTS



### FACTS

Place of research: Denmark – Nordic countries

Duration: 5 years

Grant amount: Up to DKK 10 mio.

Grants per year: 4X12 grants per year

Total grant budget: EUR 64 mio. per year

Evaluation: All four main committees

# INVESTIGATOR GRANTS

## YOUNG INVESTIGATOR AWARD

### Purpose

- For outstanding early- to mid-career scientists abroad to come to and to carry out their research in Denmark
- Strengthen and internationalize Danish research

### Eligibility

- Any nationality, employed abroad, not worked in Denmark during the application process
- Must establish principal research lab in Denmark
- Applicant must be a PI with independent research programme (for less than 7 years)

### FACTS

Place of research: Denmark (from abroad)

Duration: 7 years

Grant amount: Up to DKK 25 mio.

Grants per year: 4 grants per year

Total grant budget: DKK 100 mio.

Evaluation: Committee on International Research Leader Grants + peer review



# INVESTIGATOR GRANTS

## LAUREATE RESEARCH GRANT

### Purpose

- For outstanding established scientists abroad to come to and to carry out their research in Denmark
- Strengthen and internationalize Danish research

### Eligibility

- Any nationality, employed abroad, not worked in Denmark during the application process
- Must establish principal research lab in Denmark
- PI with independent research programme (for 7 years or more)

### FACTS

Place of research: Denmark (from abroad)

Duration: 7 (+7) years

Grant amount: Up to DKK 50 (+35) mio.

Grants per year: 2 grants per year

Total grant budget: DKK 100 (+70) mio.

Evaluation: Committee on International Research Leader Grants + peer review

### DATES

Appl. round opens: November 29, 2017

Application deadline: January 17, 2018



# Programme grants

**Collaborative grants** aimed at groups of researchers (one main applicant and 1 to 4 co-applicants depending on the type of programme). Applicants and co-applicants should be established researchers.

Funds can be used to cover own salary, salary for scientific (e.g. faculty, post docs, ph.d. stipends) and technical assistants, operating expenses, travel and publication expenses.

# PROGRAMME GRANTS

## INTERDISCIPLINARY SYNERGY PROGRAMME

### Purpose

- Stimulate an interdisciplinary research culture, across scientific disciplines and techniques
- Creative and novel high-risk/high-gain research ideas
- Strengthen and internationalize Danish research

### Eligibility

- Applicant anchored in Denmark + 1-3 co-applicants
- Applicants should all be from different disciplines (biology, engineering, IT, medicine, mathematics, anthropology, physics, psychology, chemistry, etc.)

### FACTS

Place of research: Denmark – co-applicants from all countries

Duration: 3 years

Grant amount: DKK 15 mio.

Grants per year: 8 grants per year

Total grant budget: DKK 120 mio.

Evaluation: Committee on Interdisciplinary Research + peer review

# PROGRAMME GRANTS

## CHALLENGE PROGRAMME

### Purpose

- To overcome specific challenges in health, technology and the environment
- Centre-like research environments
- Collaboration, interaction and education

### Eligibility

- Applicant anchored in Denmark + 1-3 co-applicants
- Thematic calls:
  - Prevention of diabetes and treatment of diabetes complications (2015)
  - Human and plant microbiomes (2015)
  - Antibiotic resistance and alternative antibiotics (2016)
  - Oral drug delivery of biopharmaceuticals (2016)
  - Big Data in Biomedicine (2017)
  - Design and Engineering of Biological Molecules and Systems (2017)
  - Protein Chemistry – Structure, Function and Application (2018)
  - Pathophysiology, Diagnosis and Treatment of Nonalcoholic Steatohepatitis (2018)
  - Understanding Obesity at the Cellular Level (2018)



### FACTS

**Place of research:** Denmark – co-applicants from all countries

**Duration:** 6 years

**Grant amount:** EUR 8 mio.

**Grants per year:** 6 grants per year

**Total grant budget:** EUR 48 mio.

**Evaluation:** Committee(s) on the Challenge Programme



# Major aspects of research applications assessed by reviewers

## **The scientific proposal**

- Quality, originality and significance
- Within scope of Call?

## **The approaches and methodologies**

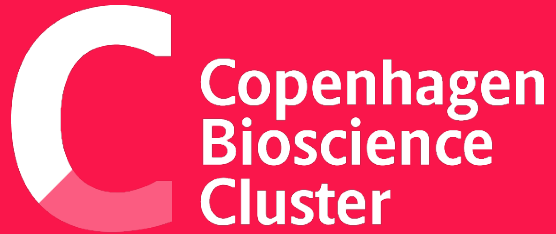
- Feasibility and novelty
- The research environment

## **The investigator(s)**

- Qualifications and expertise for the work proposed

## **The costs for conducting the work**

- Justification for the proposed budget



a novo nordisk foundation initiative

- Five large research centres
- EUR 0.8 billion invested
- 10 year center grant duration
- Over 800 staff in total
- 300 researchers recruited abroad

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# C Copenhagen Bioscience Conferences

a novo nordisk foundation initiative

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**Copenhagen  
Bioscience  
Conferences**  
a novo nordisk foundation initiative

13<sup>th</sup> conference  
27-31 May 2018

## The Stem Cell Niche

### Topics:

Model organisms, Cancer stem cells, reprogramming, pluripotency, tissue stem cells, progenitors, germ cells, human stem cells, stem cells, niche, directed differentiation, regeneration, tissue homeostasis, developmental biology, signals, networks, bioengineering

### Speakers:

Alejandro Sanchez-Alvarado  
Christine Mummery  
Connie Eaves  
Dominique Bonnet  
Eirini Papapetrou  
Eric Siggia  
Fernando Camargo  
Hiro Nakauchi  
Jane Visvader  
Joanna Wysocka  
John Dick  
Juergen Knoblich  
Konrad Hochedlinger

Lori Sussel  
Matthias Lutolf  
Mark Krasnow  
Mike Levine  
Nancy Papalopulu  
Nissim Benvenisty  
Peter Currie  
Petra Hajkova  
Rusty Gage  
Roel Nusse  
Ryoichiro Kageyama  
Steve Goldman

### Organizers:

Bo Porse  
Elke Ober  
Jakub Sedzinski  
Joshua Brickman  
Palle Serup

To register go to: [www.cph-bioscience.com](http://www.cph-bioscience.com)  
Application Deadline: Februar 15, 2018

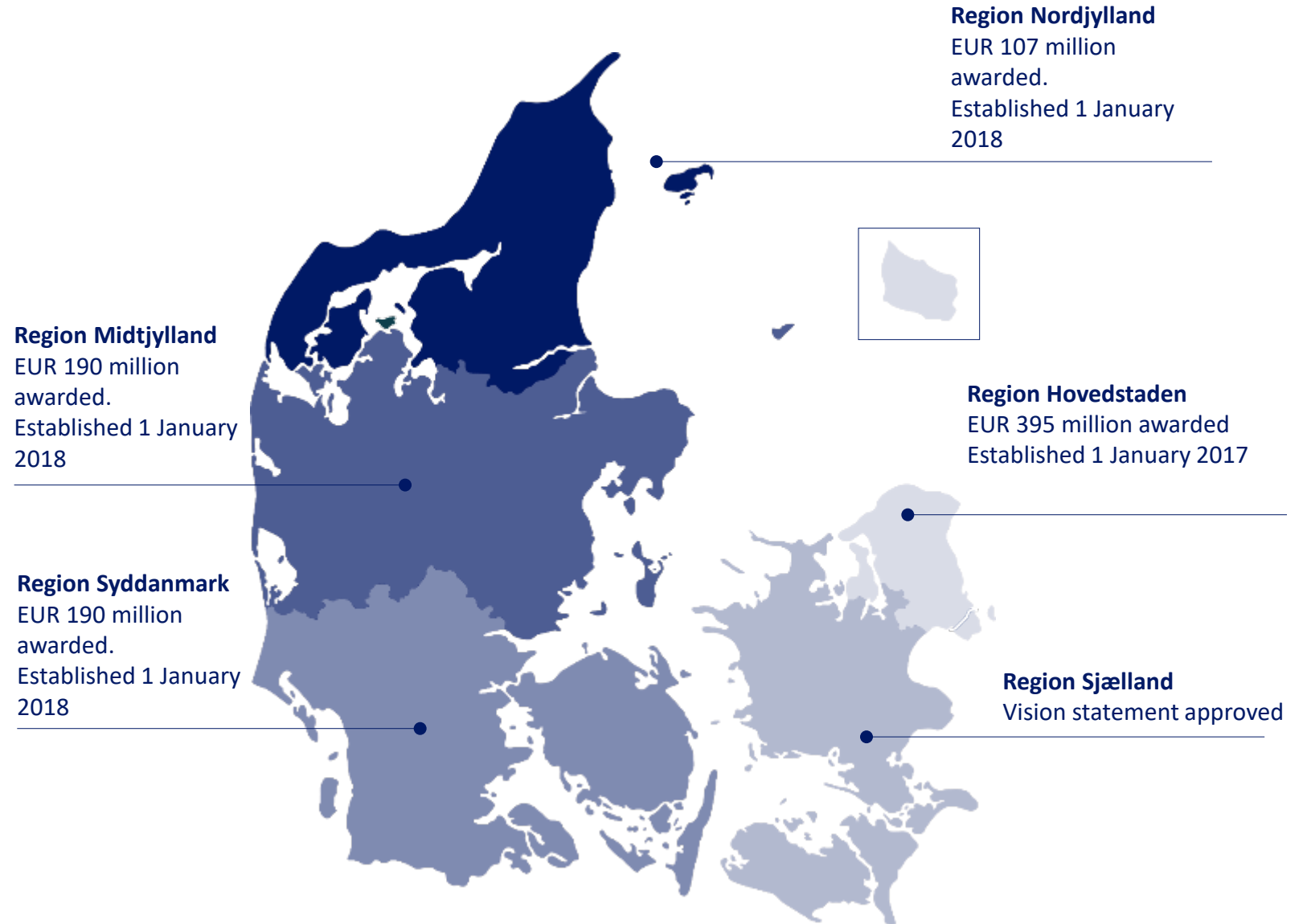
All conference expenses covered.  
Registration fee, accommodation and  
local costs for all attendees are covered  
by the Novo Nordisk Foundation.



# Diabetes Centers

**Steno Diabetes Centers will raise the level of care for everyone with diabetes in Denmark through:**

- Evidence-based treatment through Denmark's five administrative regions
- Nationwide collaboration on research, health promotion and education
- Access to everyone with diabetes in Denmark with opportunities for large cohort studies





BII will promote collaborative, interdisciplinary, research-based innovation in the life sciences and help build viable start-up companies with the necessary skills to ensure such innovations become widely available solutions.

**BII**

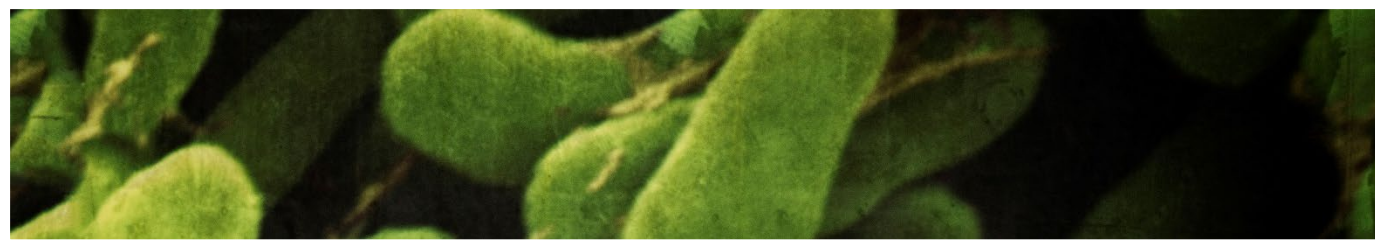
# New solutions through innovation in life science

An international research, innovation and entrepreneurship initiative in Denmark

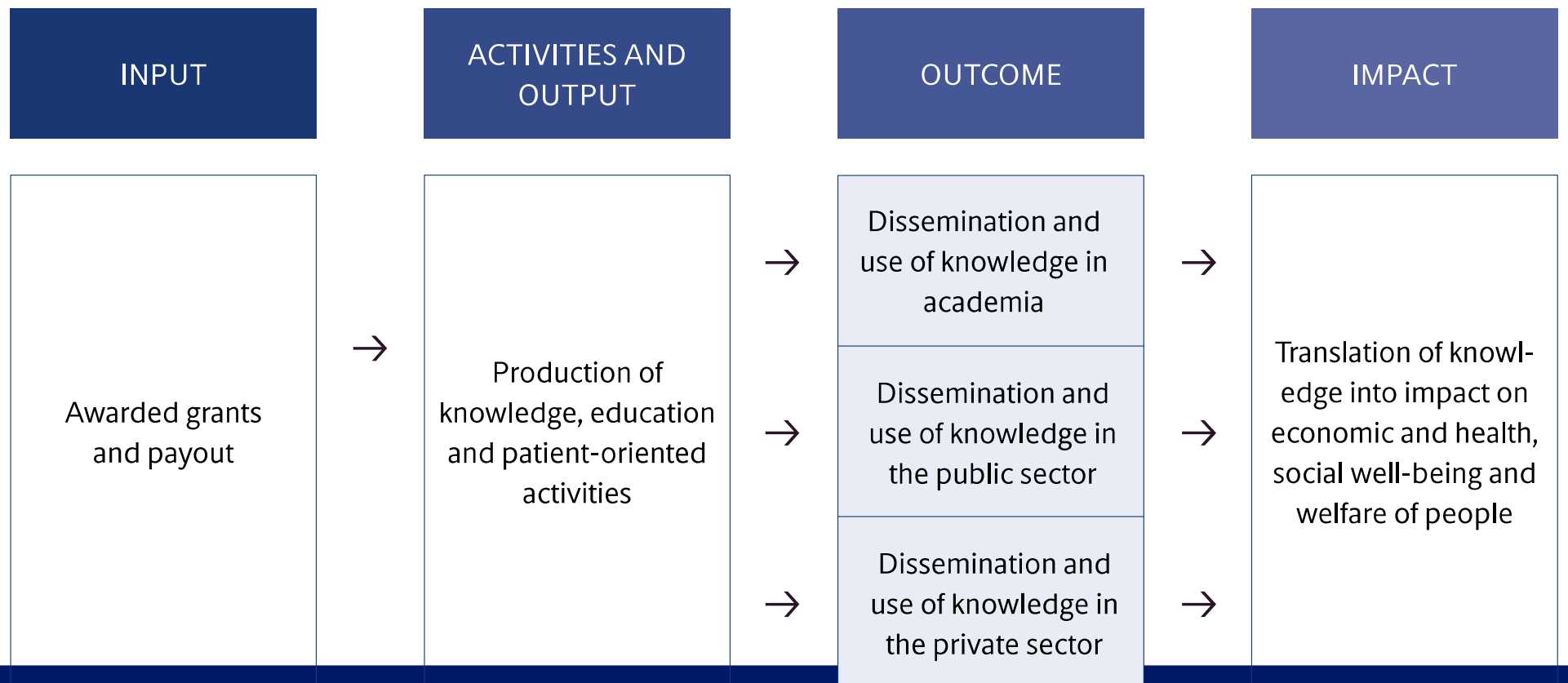
# LIFE

Learn, inspire,  
fascinate, engage

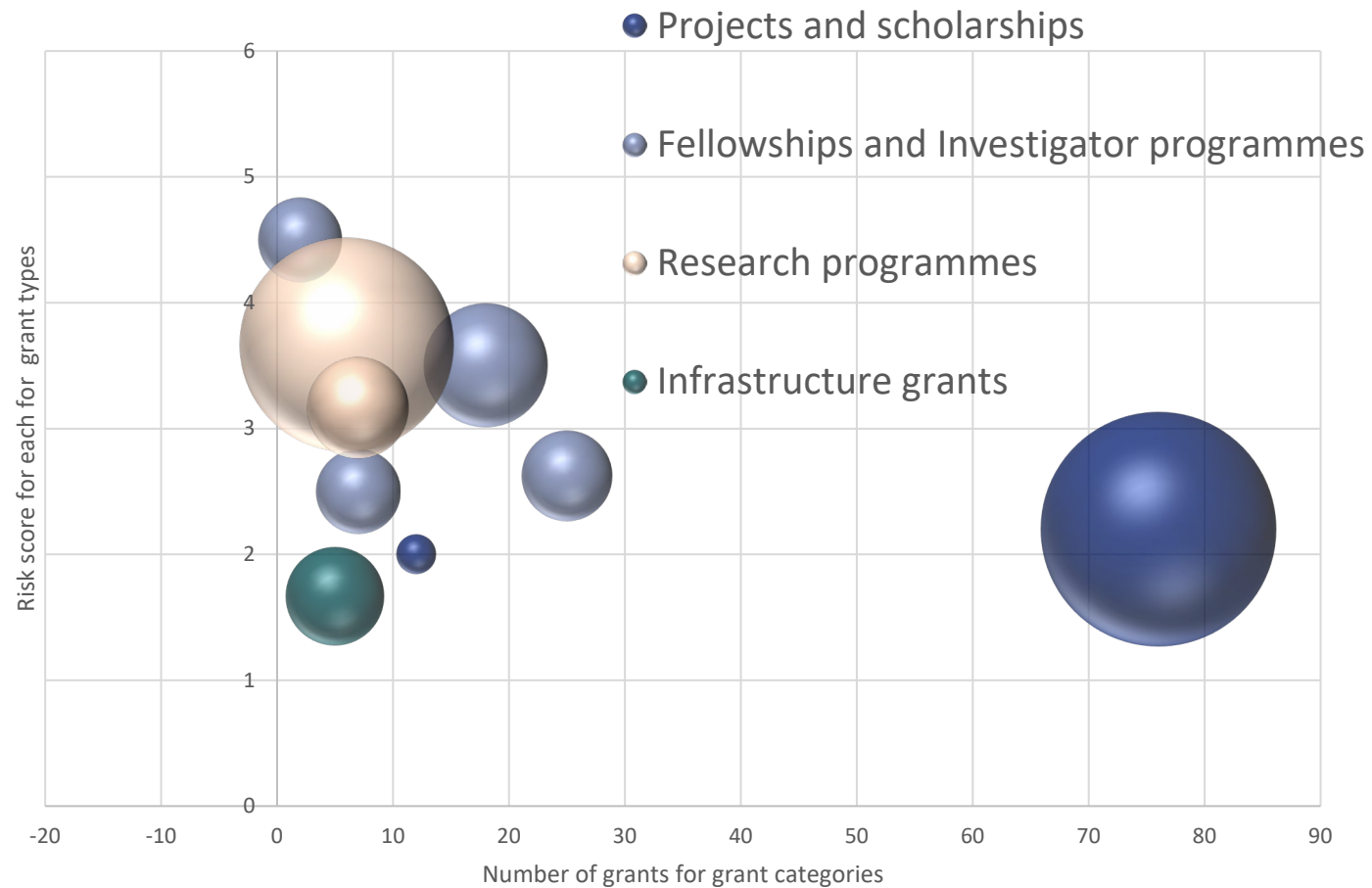
- Disseminate applied sciences to school children and teachers
- Spur the interest for natural sciences among children and adolescents
- Increase the number of applicants for educations within natural sciences
- Foster a world-class education system within natural science



# The model of impact



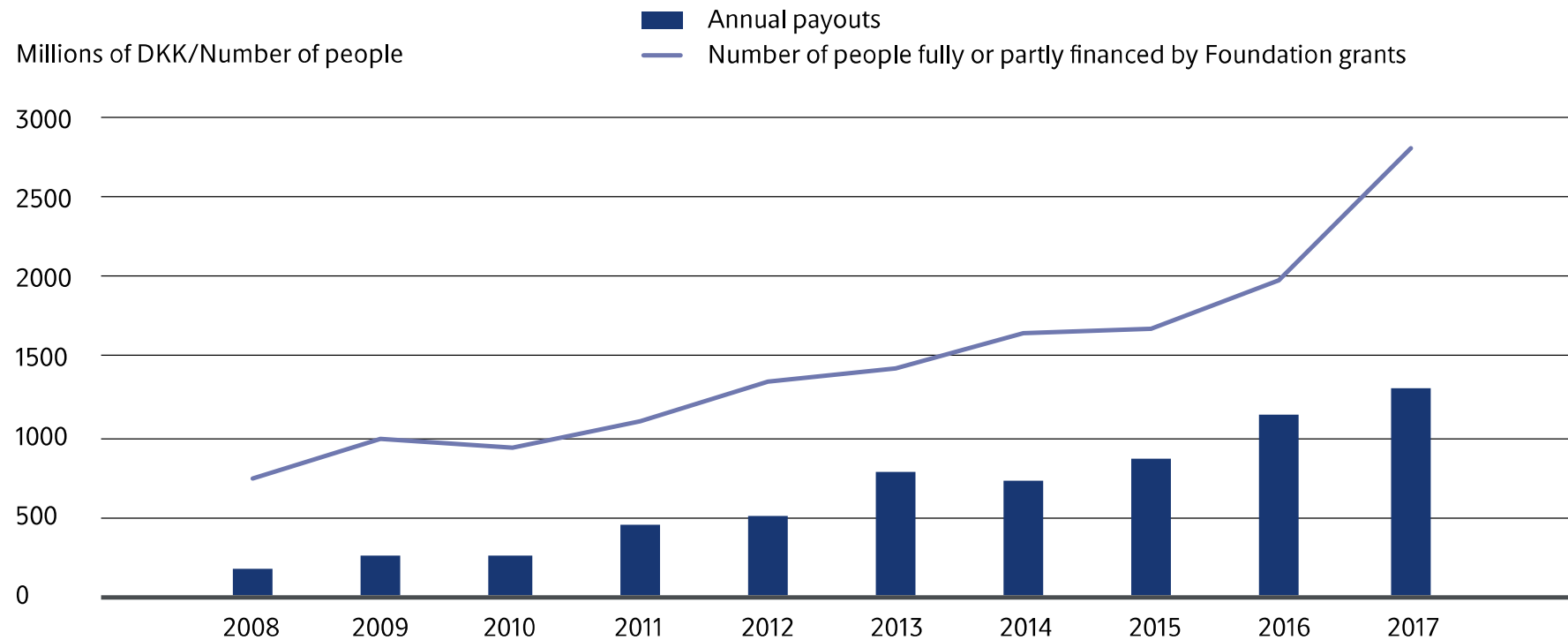
# Risk versus input (grants and amount) in reserach grants awarded in Open Competition





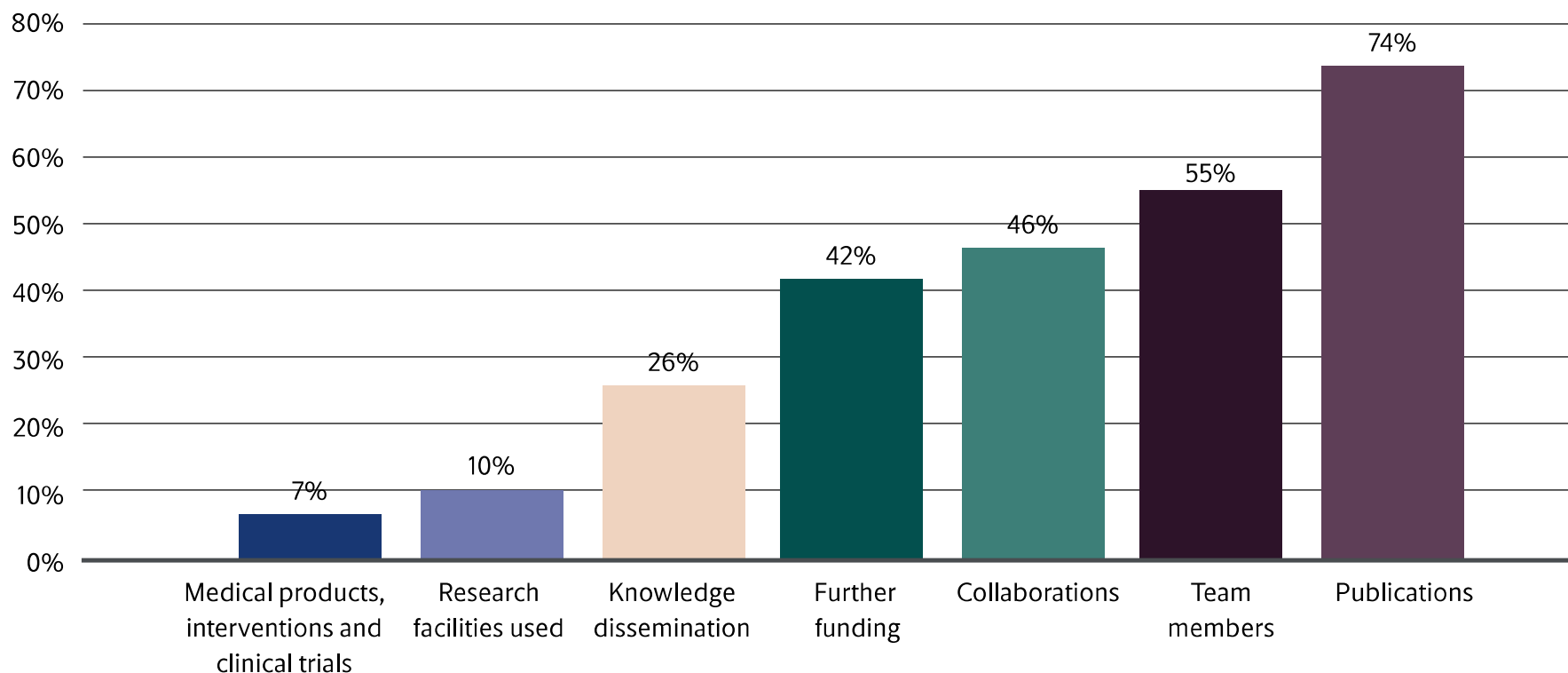
# Input:

## Payouts and people fully or partly financed by NNF

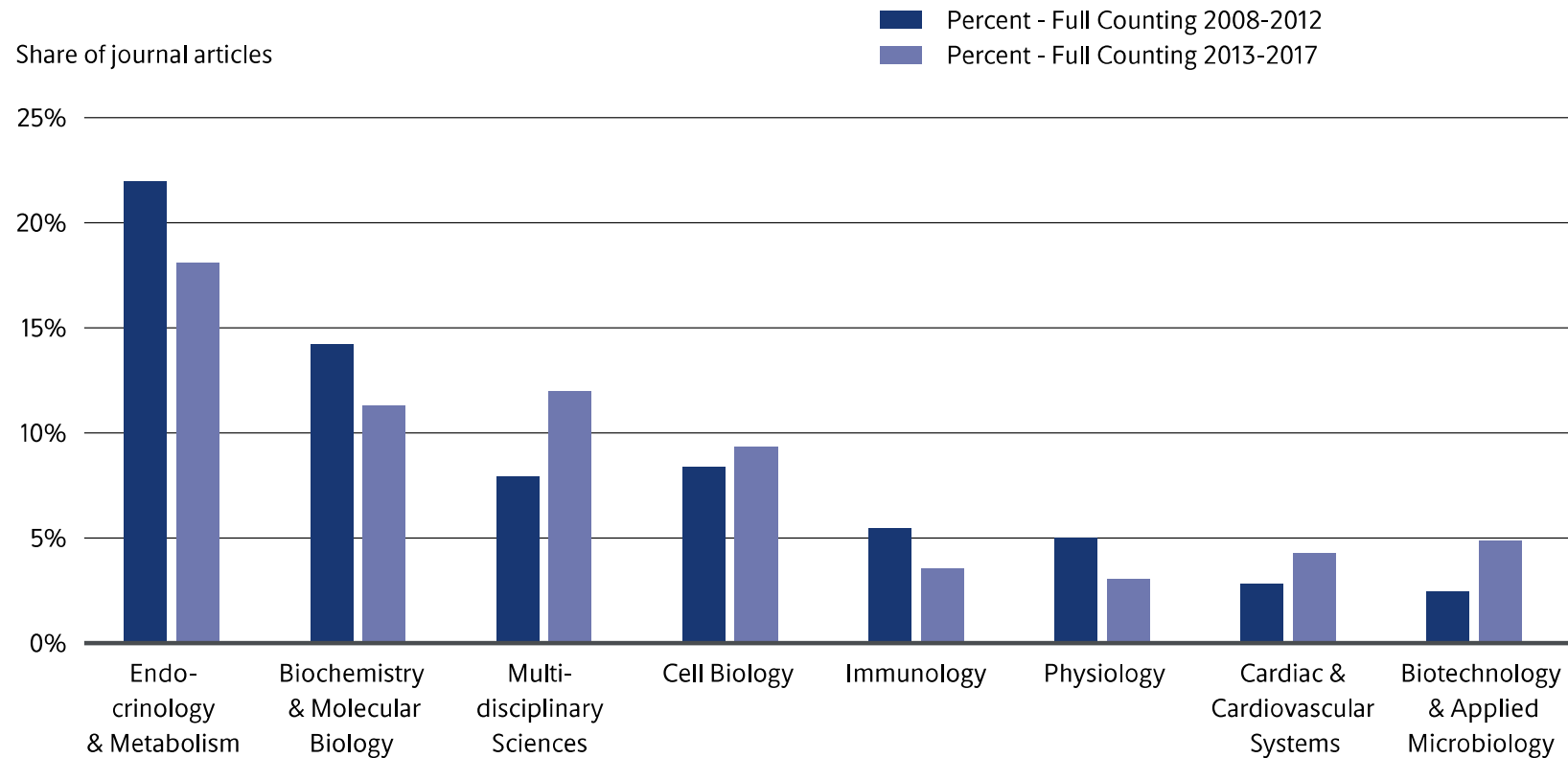


# Activities and output: 628 completed grants reported in 2014-2016

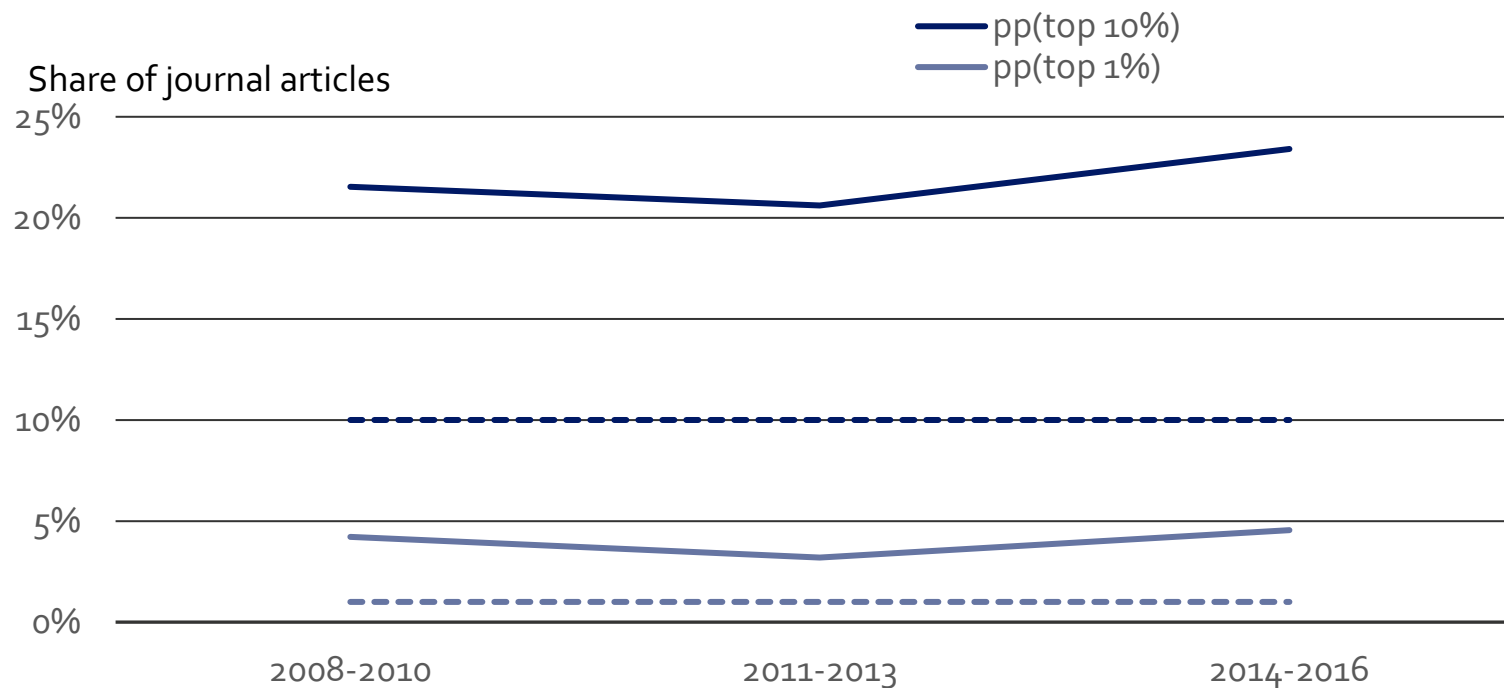
Share of grants



# Distribution of journal articles in selected subject categories

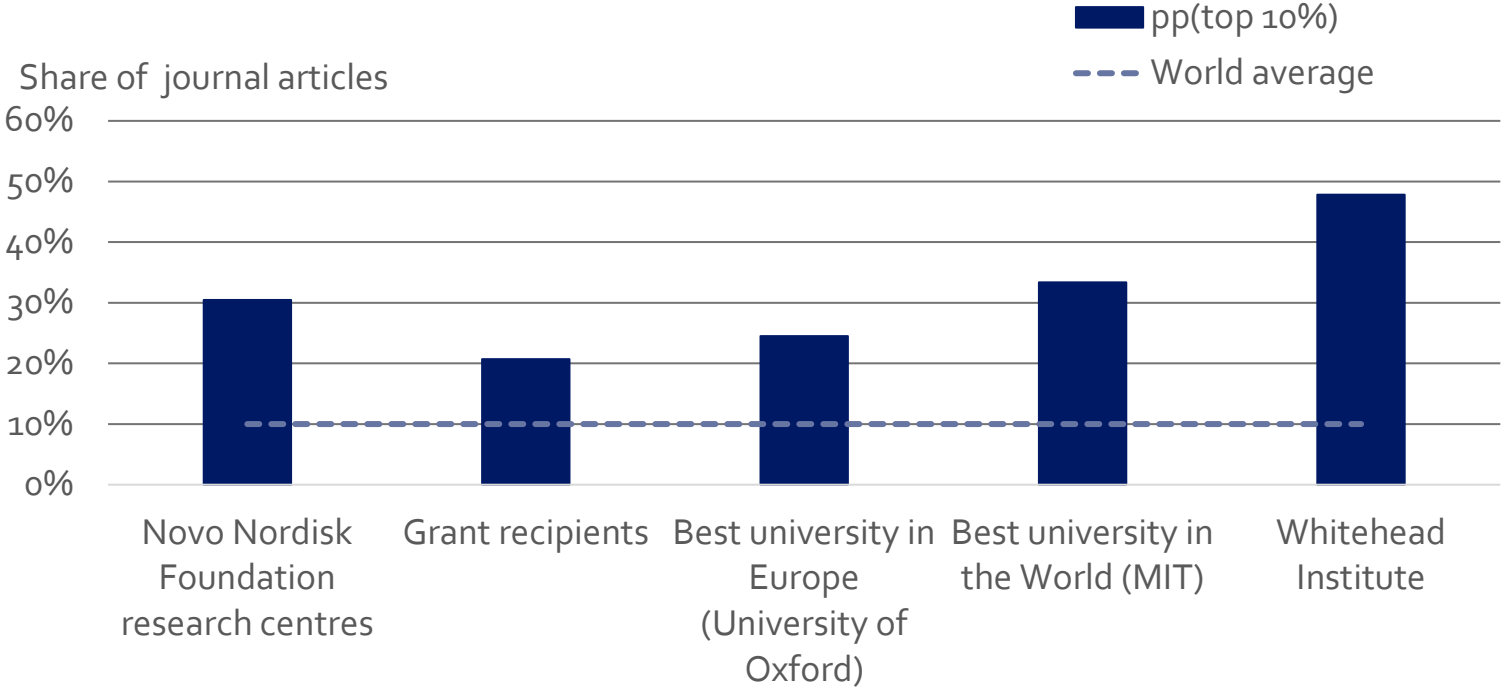


# Citation impact for NNF grant recipients, PP(top 1%) and PP(top 10%), all sciences



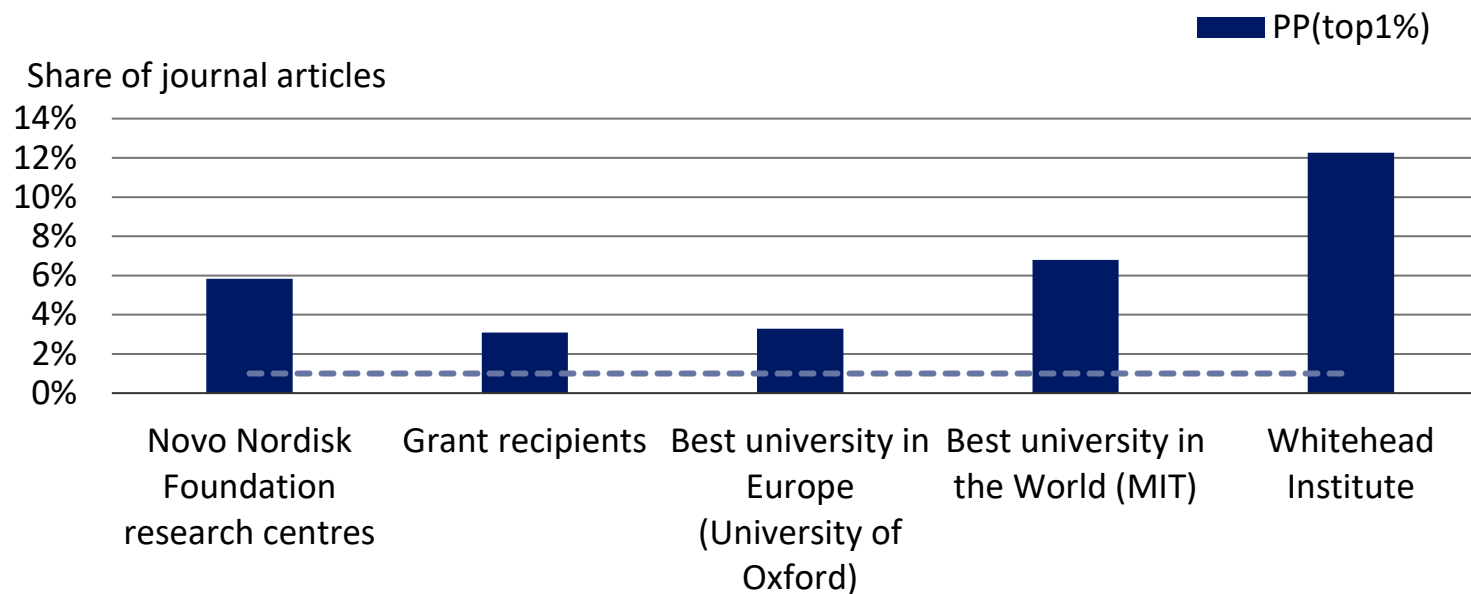


# Citation impact for grant recipients – international benchmarking (biomedical research, 2014-2016), PP(top 10%)



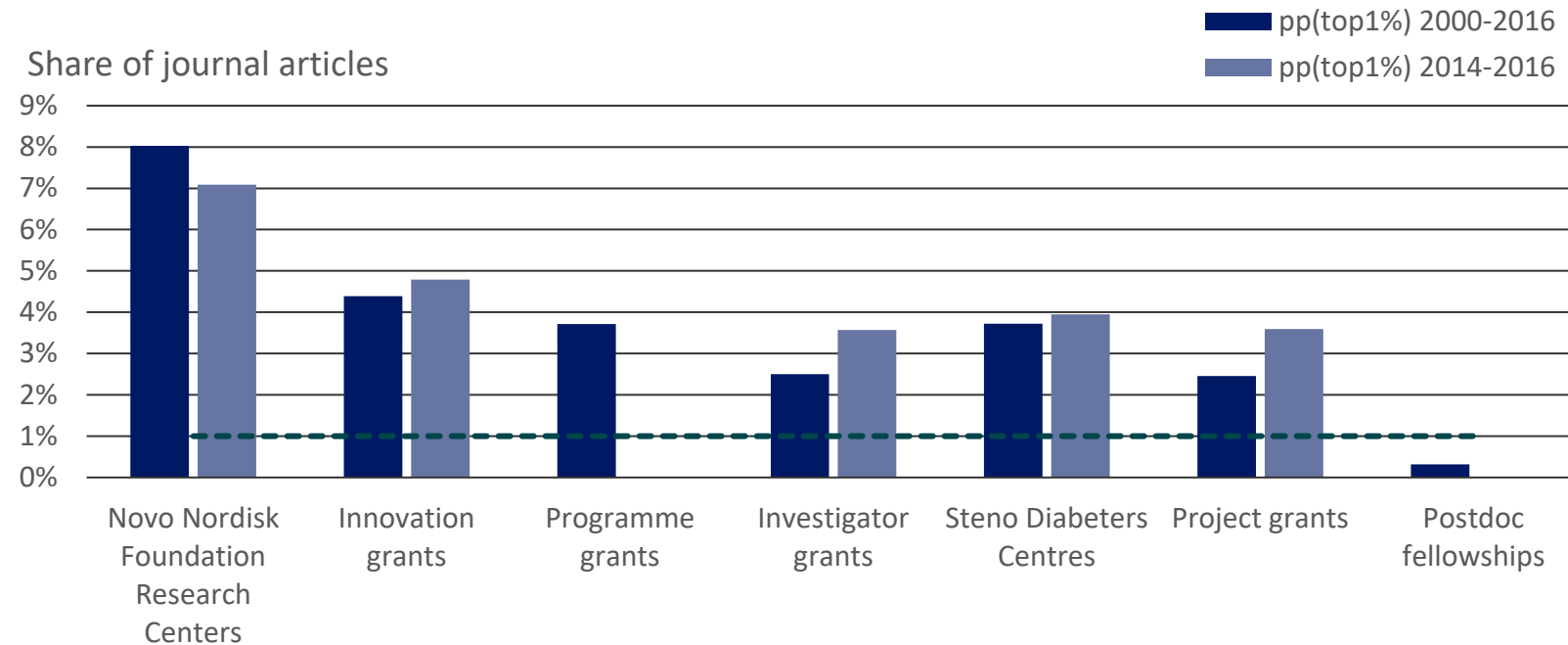
Sources: Novo Nordisk Foundation/researchfish\* and Danish Centre for Studies in Research and Research Policy

## Citation impact for grant recipients – international benchmarking (biomedical research, 2014-2016), PP(top 1%)



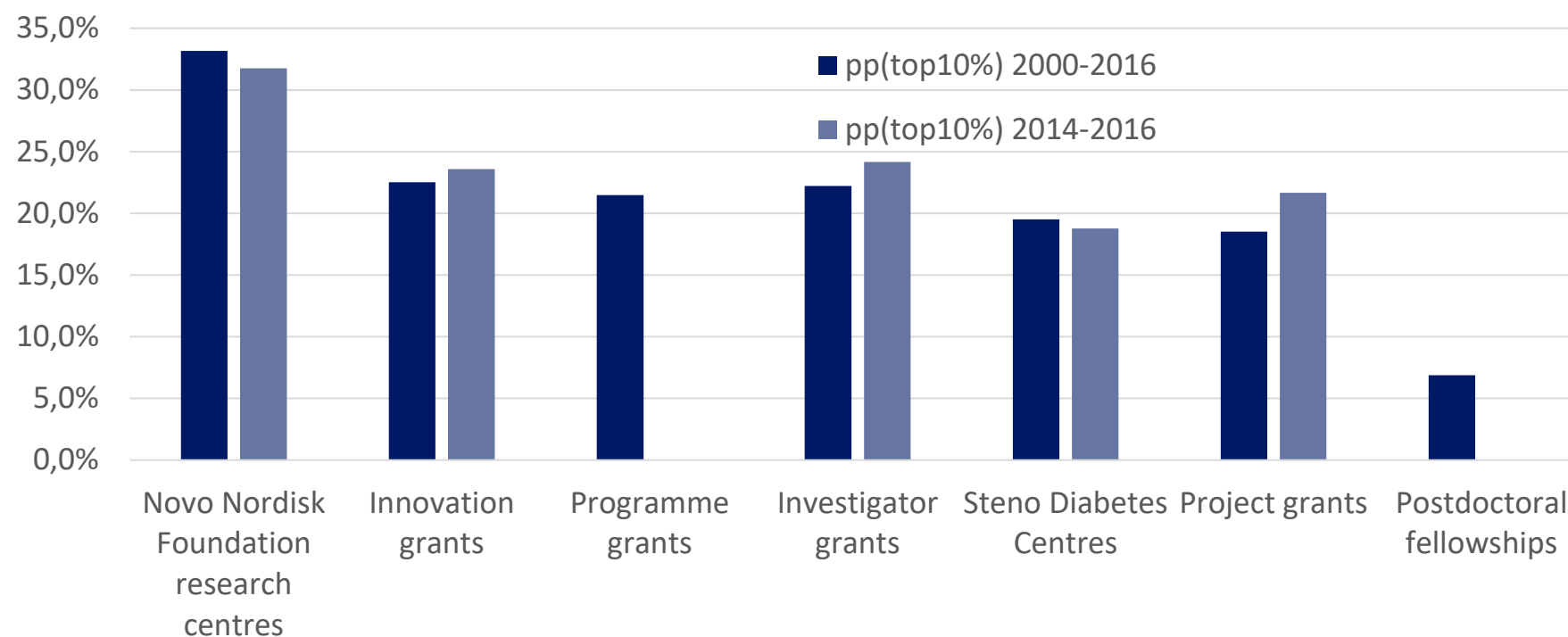
Sources: Novo Nordisk Foundation/Researchfish\* and Danish Centre for Studies in research and Research Policy

## Citation impact for grant recipients – grant type benchmarking, PP(top 1%)

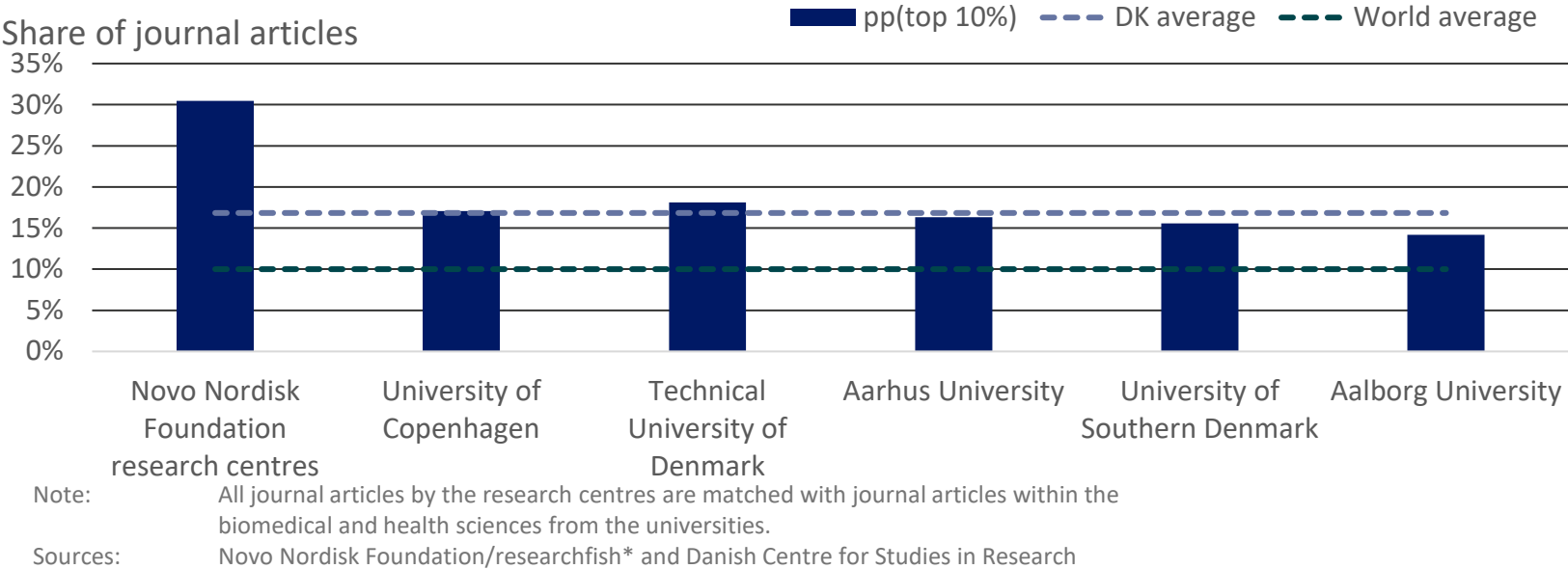


Note: For specification of the grant types, please visit <http://novonordiskfonden.dk/en/ansogning>.  
For some grant areas, there are too few publications in the period 2014-2016 to reliably calculate PP(top 10%)

## Citation impact of journal articles by type of grant - PP(top 10%)

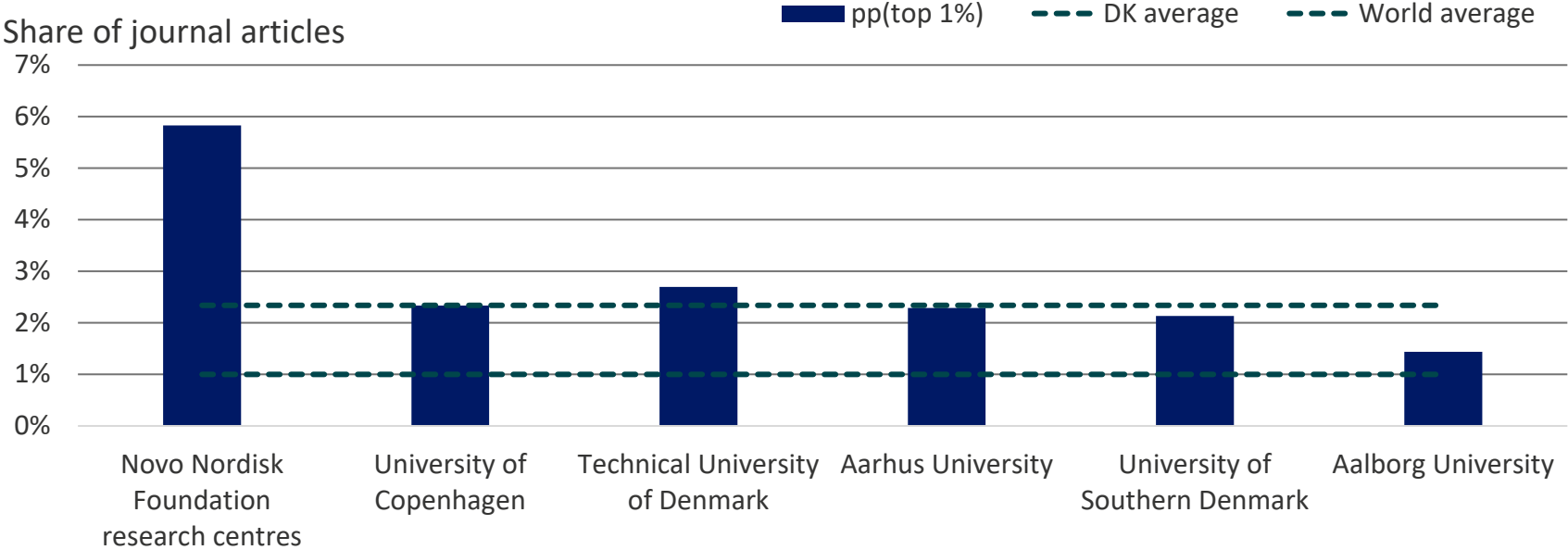


# Citation impact of journal articles published in biomedical and health sciences by researchers affiliated with the Novo Nordisk Foundation research centres and universities in Denmark - PP(top 10%), 2014–2016





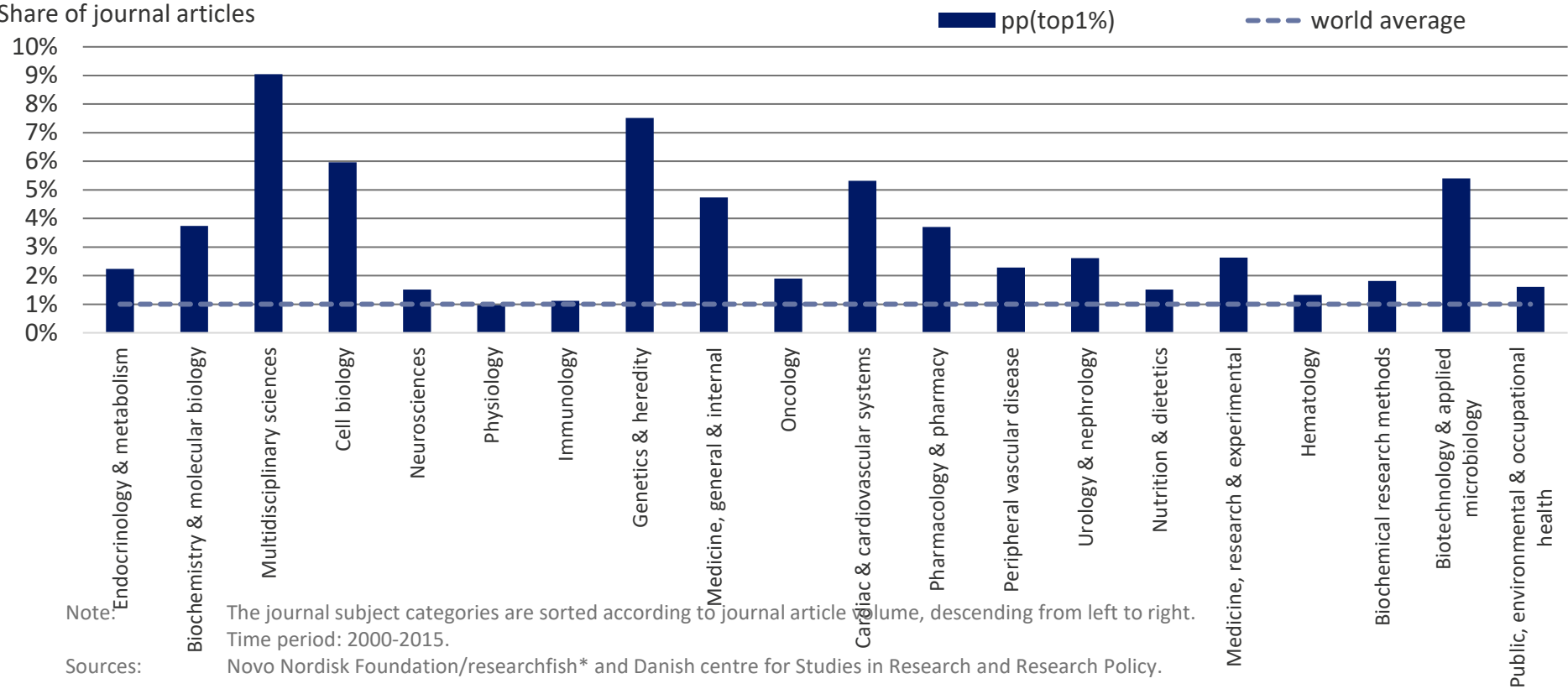
# Citation impact of journal articles published in biomedical and health sciences by researchers affiliated with the Novo Nordisk Foundation research centres and universities in Denmark - PP(top 1%), 2014–2016



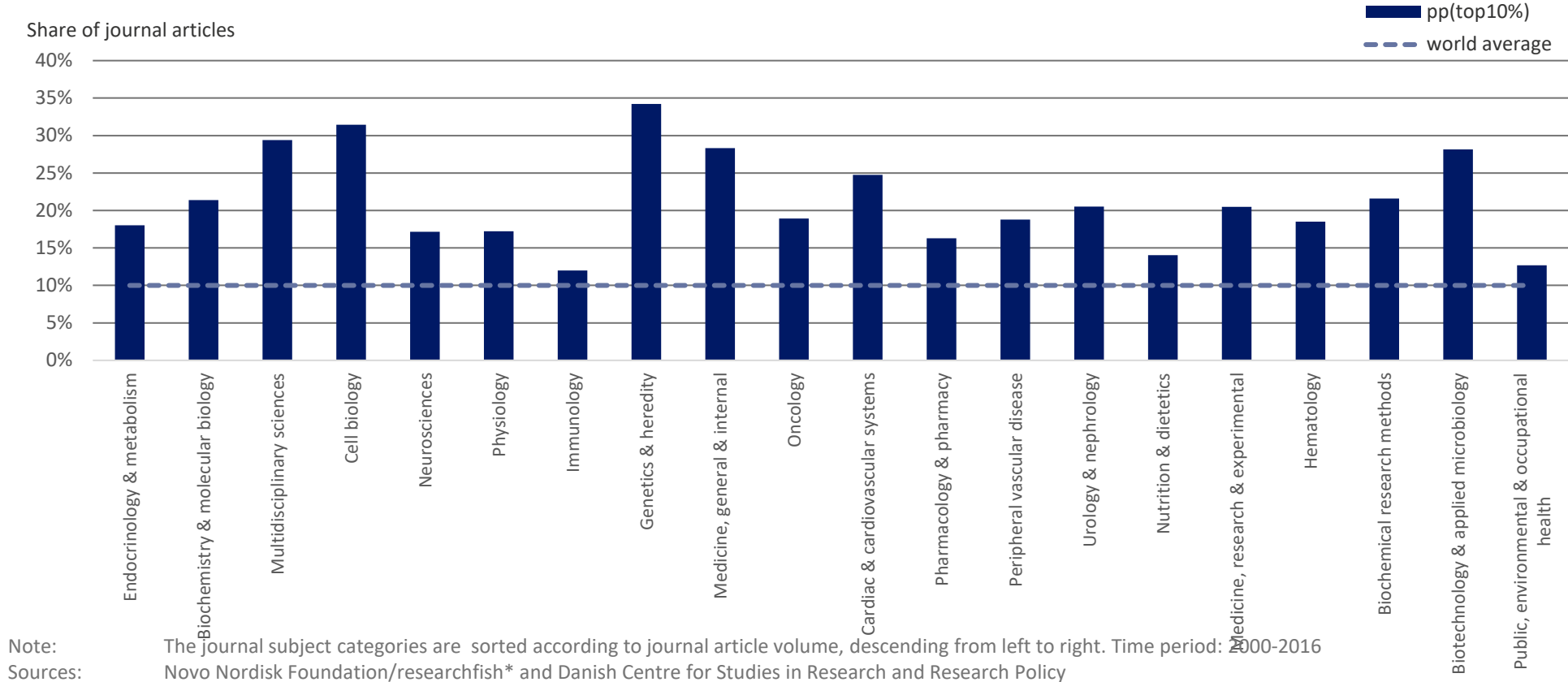
Note: All journal articles by the research centres are matched with journal articles within the biomedical and health sciences from the universities.

Sources: Novo Nordisk Foundation/researchfish\* and Danish Centre for Studies in Research and Research Policy.

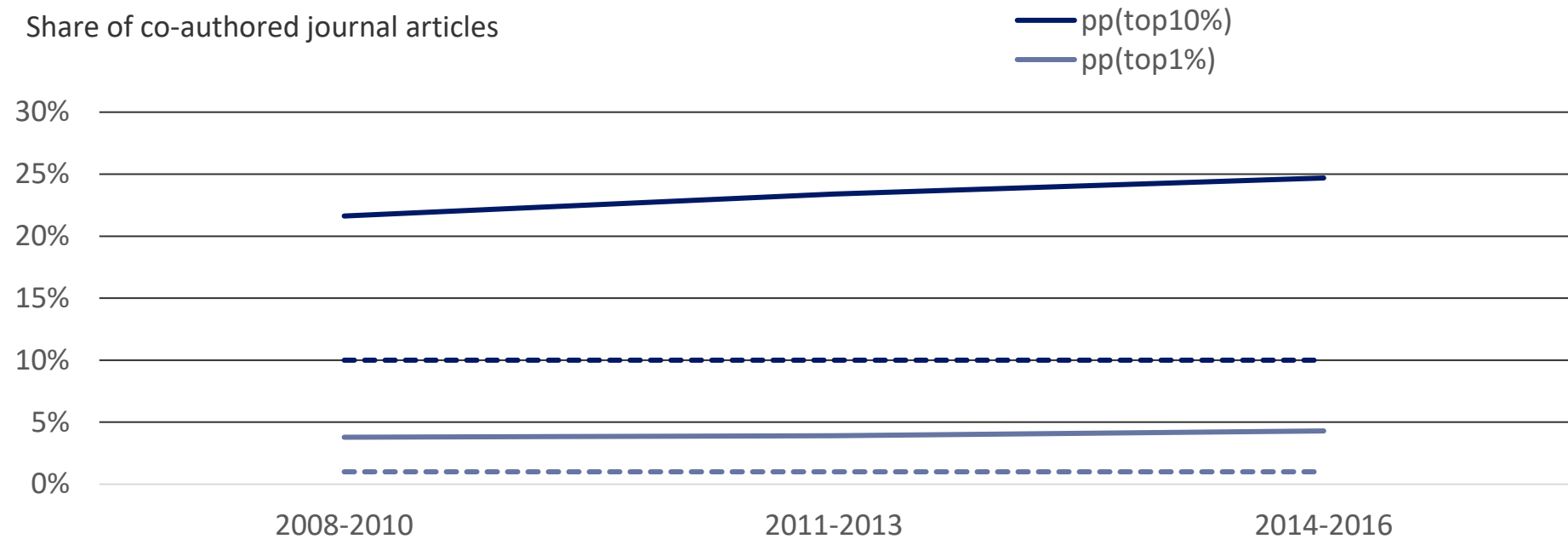
# Citation impact of journal articles by journal subject category - PP(top 1%), 2000-2016



# Citation impact of journal articles by journal subject category - PP(top 10%), 2000-2016

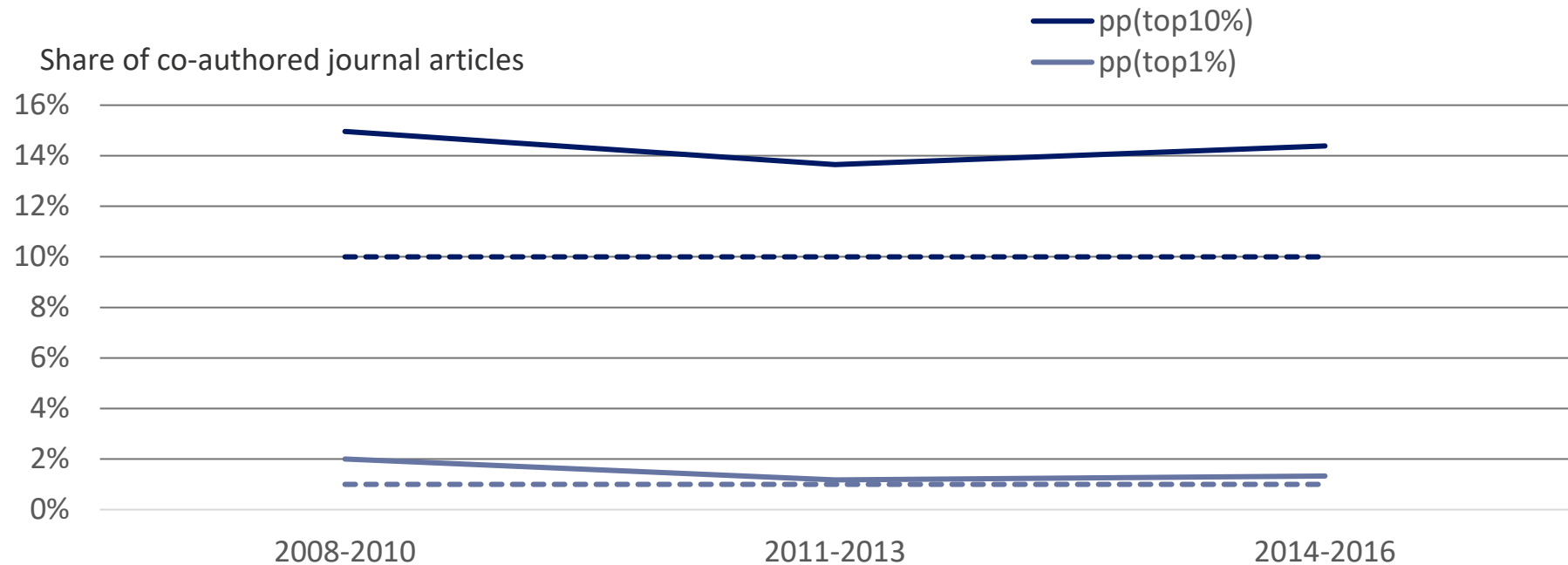


## Citation impact of internationally co-authored journal articles within academia with all sciences - PP(top 1%), PP(top 10%), 2008–2016



Sources: Novo Nordisk Foundation/researchfish\* and Danish Centre for Studies in Research and Research Policy.

## Citation impact of nationally co-authored journal articles within academia with all sciences - PP(top 1%), PP(top 10%), 2008–2016



Sources: Novo Nordisk Foundation/researchfish\* and Danish Centre for Studies in Research and Research Policy



# Tracking public research dissemination into the public health sector

## Public research activity



Research activity conducted by the recipients of Foundation grants and published in journals. Grant recipients have published 14,429 journal articles since 2000.

## Clinical guidelines



53% of the diabetes guidelines and 18% of the cardiovascular disease guidelines in Denmark and elsewhere reference journal articles by recipients of Foundation grants.

## General practitioners



General practitioners continuously update their knowledge from multiple sources.

79% of general practitioners acquire knowledge about the treatment of diabetes and cardiovascular diseases from clinical guidelines; 65% acquire knowledge from journals, and 28% from journal articles.

## Patients



74% of the general practitioners say that clinical guidelines have resulted in more uniform treatment of their patients.

23% of the general practitioners say that using clinical guidelines has improved the health of their patients, and 33% say that using guidelines has made treatment more effective.

# Tracking public research dissemination into the private sector

## Public research activity



Public research funded by the Foundation.

## Collaboration



In 2017, recipients of Foundation grants collaborated with 266 companies in 351 collaborations; 26% of the companies were Danish.

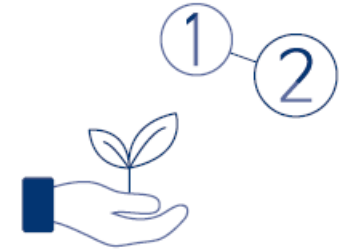
## Journal articles



Grant recipients publish their research in scientific journals.

Industrial researchers co-authored 11% of Foundation-funded journal articles.

## Patent activities and citings

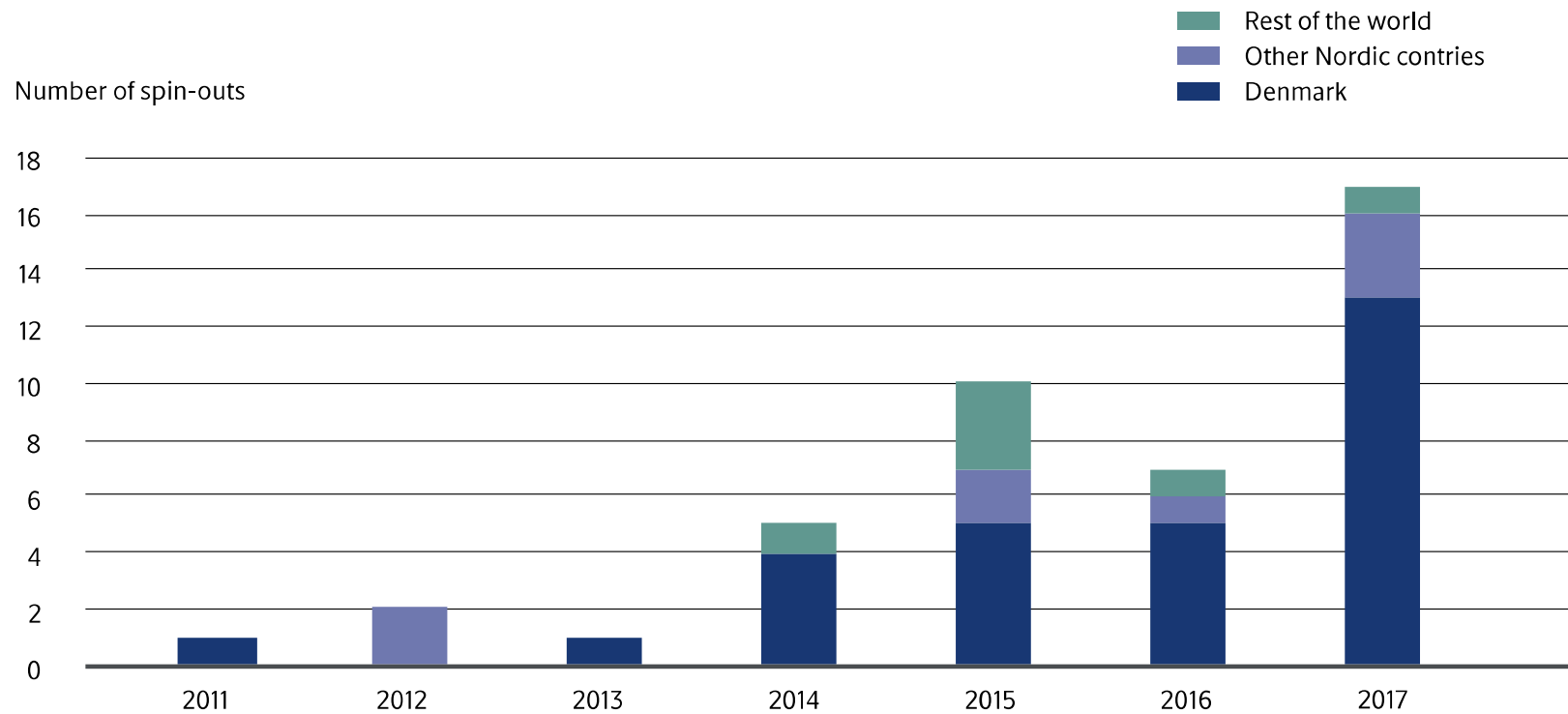


1 of 16 funded journal articles cited in patent applications and patents.

2600 citings of funded journal articles in more than 2100 patent applications and patents.

Recipients of Foundation grants reported 115 patent applications and 13 patents between 2013 and 2017.

# Commercialisation outcome: 43 spin-outs





# Biomedical and health science research and applications

Biomedical and health science research is central to the Foundation's heritage and identity, especially within physiology, metabolism and endocrinology. The Foundation already has a strong track record in this area, supporting world-class basic research in biomedicine that paves the way for advances in translational medicine and innovative clinical applications. In the future the Foundation will expand its activities and impact beyond physiology, metabolism and endocrinology.

## Activities:

- basic biomedical research;
- translational biomedical research and technologies;
- clinical research;
- health-related data science;
- research in patient-centred healthcare and treatment systems; and
- training programmes and methods related to biomedical and health science research.





# Life science research and industrial applications promoting sustainability

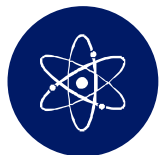
Given the escalating global sustainability challenges and potential for research to make a positive impact in reducing environmental footprint, the Foundation will increase its focus on life science research and industrial applications promoting sustainability.

## **The Foundation's activities will focus on:**

- industrial biotechnology;
- plant and food biotechnology;
- environmental biotechnology;
- basic research and platforms and technologies supporting research on sustainability; and
- training programmes and methods related to life science research and industrial applications promoting research on sustainability.







# Natural and technical science research and interdisciplinarity

Given the important role of research in the natural and technical sciences and how it contributes to advances in biomedicine and biotechnology, the Foundation will increase its focus on natural and technical science research and interdisciplinarity in the 2019–2023 strategy.

Since interdisciplinary scientific research plays an increasingly important part in driving new discoveries, the Foundation can advance its mission by supporting a strong interdisciplinary research basis in Denmark.

## Activities:

- basic natural and technical science research with potential interdisciplinary application to biomedicine, health sciences or biotechnology;
- selected other research fields that are potentially relevant to biomedicine, health sciences or biotechnology; and
- training programmes and methods related to natural and technical science research and interdisciplinarity.

