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„Excellence Initiative – Research University” (IDUB) in the Medical University of Gdańsk

Implementation, status, plans

02.2022

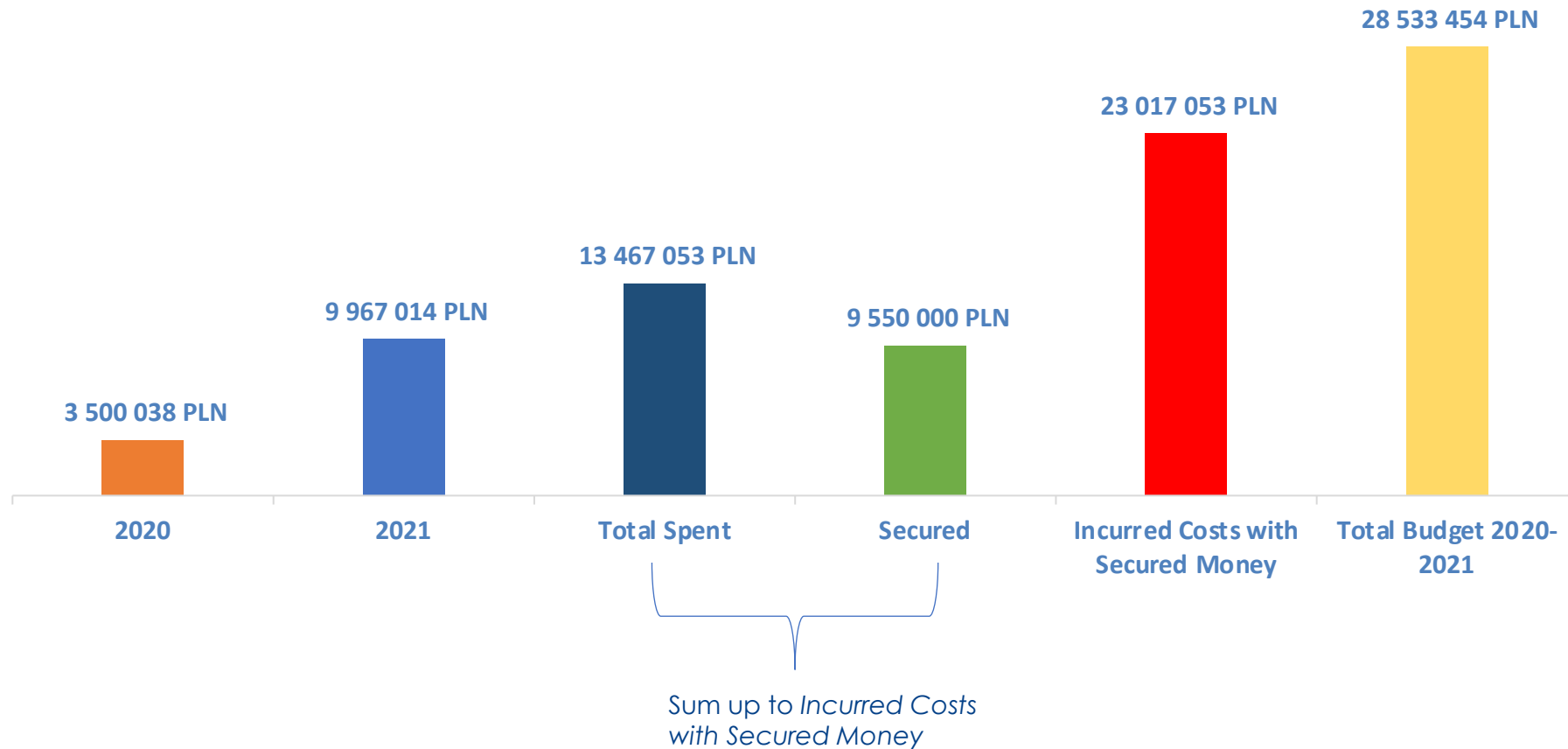
prof. dr hab. Tomasz Bączek

mgr Maciej Bora

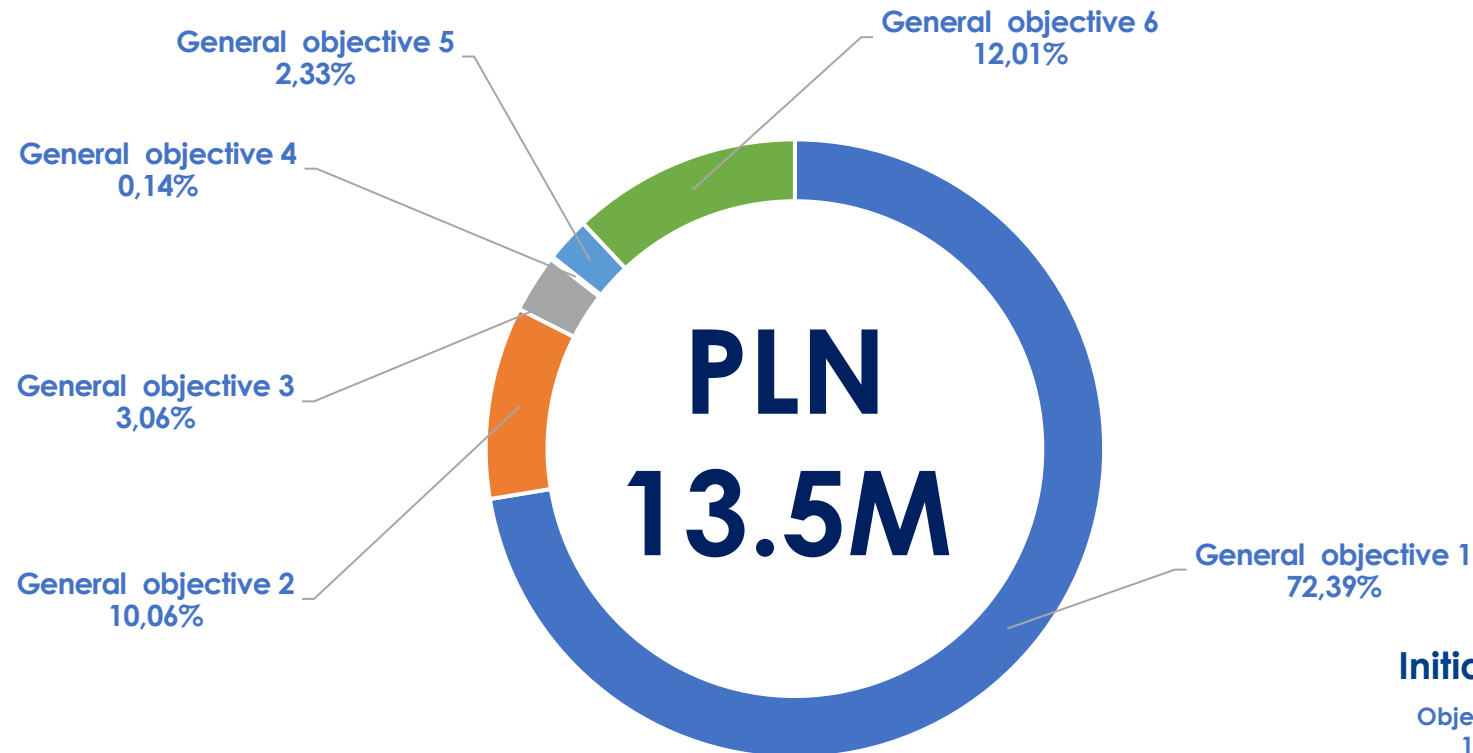
IDUB Program expenditures 2020-2021

The Medical University of Gdańsk received governmental bonds:

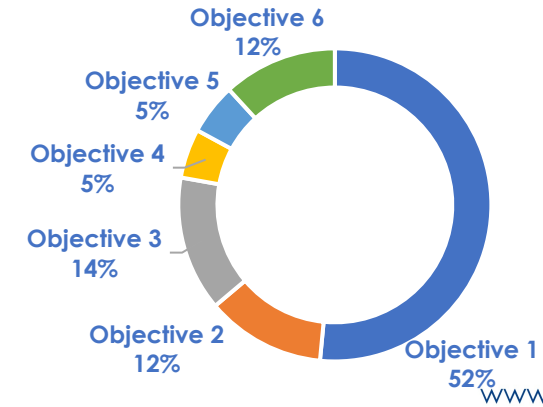
- in April 2020 (14.5M PLN) to be spent by the end of 2022
- in July 2021 (14.5M PLN) to be spent by the end of 2023



IDUB Program expenditures 2020-2021



Initial IDUB Budget



General objectives

1. Enhancing quality of MUG's research activity
2. Strengthening of MUG's international collaboration
3. Increasing the quality of education
4. HR optimization
5. Improving organizational efficiency
6. Other specific objectives (biostatistics, quality of publications, technology transfer)

IDUB's three main areas of activity

- Priority Research Areas



- Programs and calls



- Structures supporting the reasearch activity



Additional activities

- Fahrenheit University
- International Scientific Council

Priority Research Areas – Leaders

PRA 1 | Oncology



Leader

Prof. Jacek Jassem, M.D., Ph.D.

Head of the Department of
Oncology & Radiotherapy

Main Research Areas:

clinical oncology, specifically
lung cancer and breast cancer,
combined modality treatment,
molecular oncology

PRA 2 | Cardiology and cardiovascular medicine



Leader

Prof. Krzysztof Narkiewicz, M.D., Ph.D.

Head of the Department of
Hypertension & Diabetology

Main Research Areas:

pathogenesis, prevention and
treatment of cardiovascular disease

PRA 3 | Biochemistry, genetics and molecular biology



Leader

Prof. Ryszard Smoleński, M.D., Ph.D.

Head of the Department of Biochemistry

Main Research Areas:

metabolism of nucleotides and
cardiac energetics, studies of
changes in these processes in
pathology and the development
of new therapies

Priority Research Areas – 682 Members

Oncology **274**

Cardiology and cardiovascular medicine **226**

Biochemistry, genetics and molecular biology **182**

Representation among divisions and departments



65 units (72%)



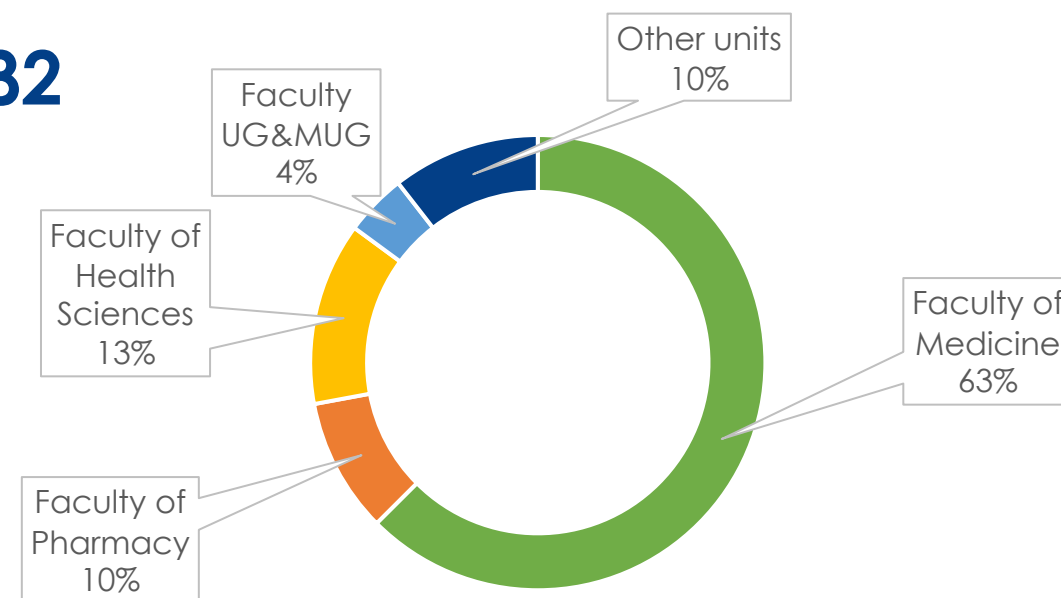
11 units (55%)



18 units (37,5%)



4 units (100%)



Organizational structure and the prevalence of IDUB

Programs and calls

Grant Program "Young Creator of Science" (2nd Edition in progress)

Grant Program "Experienced Researcher" (70% participation)

Grant Program „Innovation incubator”

Grant Program „Research Travel Grants” (in progress)

Grant Program „PRAs’ Pilot Grants” (is just arising)

Program “New Horizon at the MUG”

Recruitment Program „Young Creator of Science”

Recruitment Program „Experienced Creator of Science”

Recruitment Program „Research Technical Support” (in progress)

Program „Equipment 10%”

"Open Access" Program

"Proof Reading" Program

"Graphic Design” Program

Special Rector's Awards



Young Creator of Science, 1st edition (March 2021)

175 applications

49 financed projects for over **2** mln PLN



29 Young Creators from **29%** departments



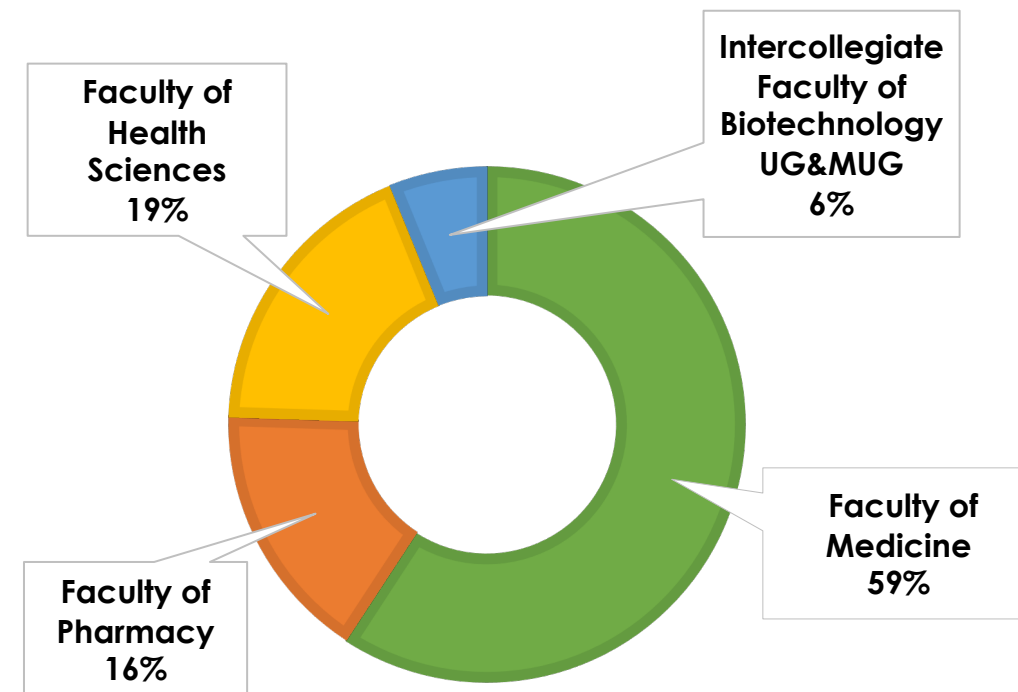
8 Young Creators from **39%** departments



9 Young Creators from **20%** departments



3 Young Creators from **75%** departments



Units with funded grants (100%=49)

Experienced Researcher, 1st edition (July 2021)

61 applications

24 financed projects for 1,4 mln PLN
(1 mln PLN from IDUB office)



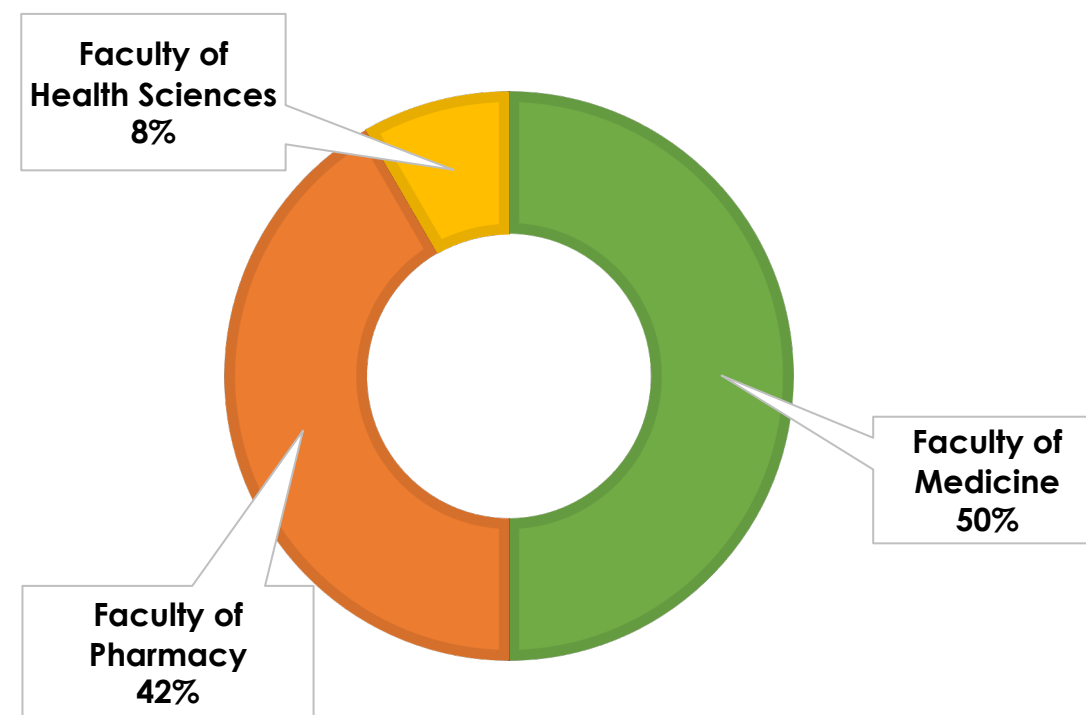
12 Researchers from 14% departments



10 Researchers from 44% departments

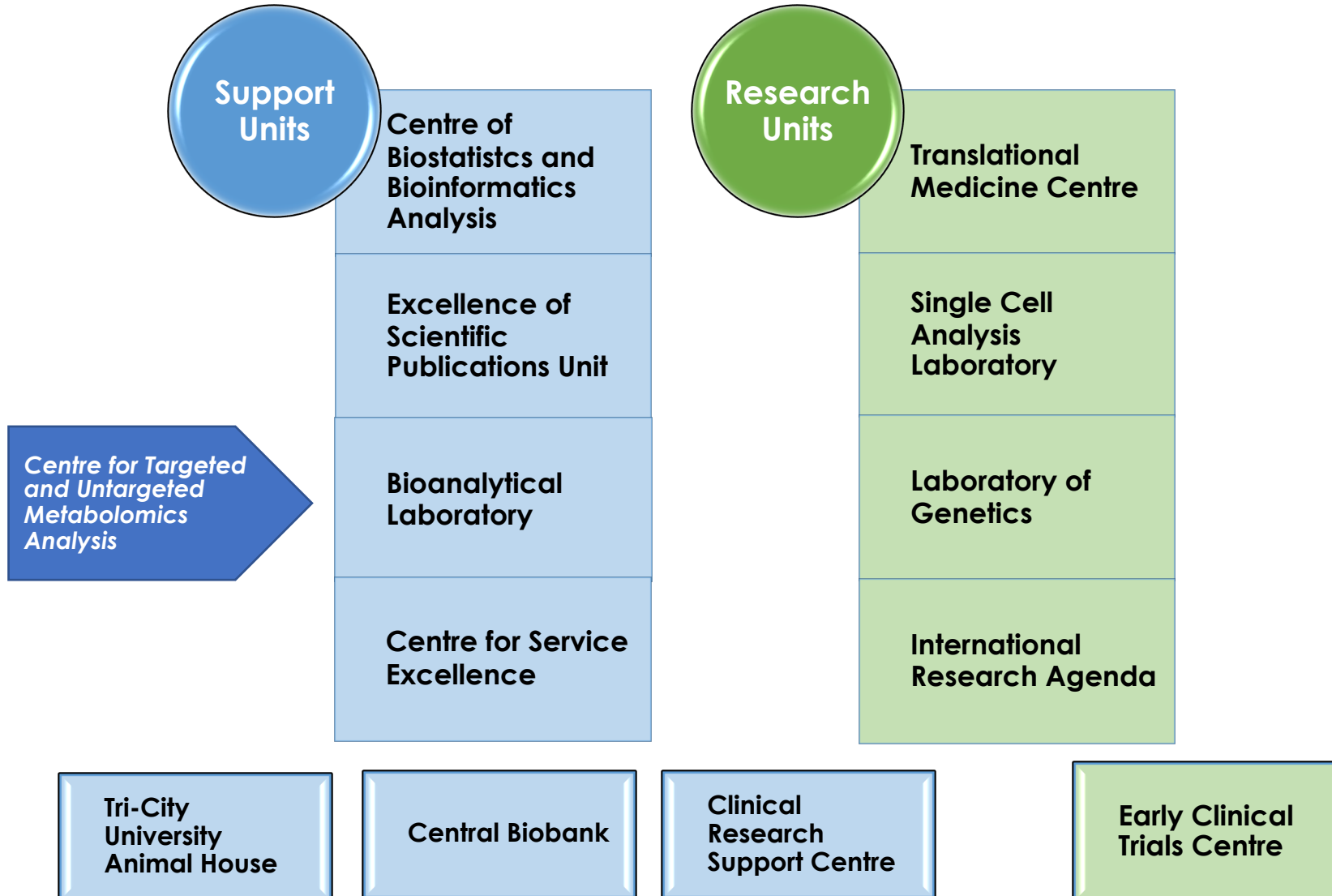


2 Researchers from 8% departments



Researchers from different Units (100%=24)

Main structural initiatives (supported by IDUB in 2020-2021)



Structures supporting the research activity

Centre of Biostatistics and Bioinformatics Analysis



Head

Anna Supernat Ph.D.

Staff

biostatistician, bioinformatician
artificial Intelligence specialist

Overview

- over 100 consultations
- 19 analysis
- support in 8 grant submissions & 5 manuscripts

Bioanalytical Laboratory at the Department of Biochemistry



Head

Paweł Olszewski

Staff

quality management specialist
analytical specialist, technical
manager

Overview

- 4 commercial services
- 3 non-commercial services
- 13 sales offers (clinical trials)

Excellence of Scientific Publications Unit



Coordinator

Agnieszka Anielska Ph.D.

Staff

graphic designer,
administrative assistant

Overview

- financing publication fees for over 750 000 PLN
- 43 proof reading www.mug.edu.pl & translational services
- 21 graphics

Local core-facilities supported by IDUB



Single Tumor Cell
Analysis

Pharmaceutical and
Biomedical Analysis
Laboratory

Laboratory
of Parasitology



Laboratory of Genetics

Microscopy Imaging
Laboratory

Epidemiologic
Laboratory



CLEVERHEART
Cardio Lab

Laboratory
of Inflammatory and
Neurodegenerative
Diseases

Metabolomics
Laboratory

Bioanalytical Laboratory

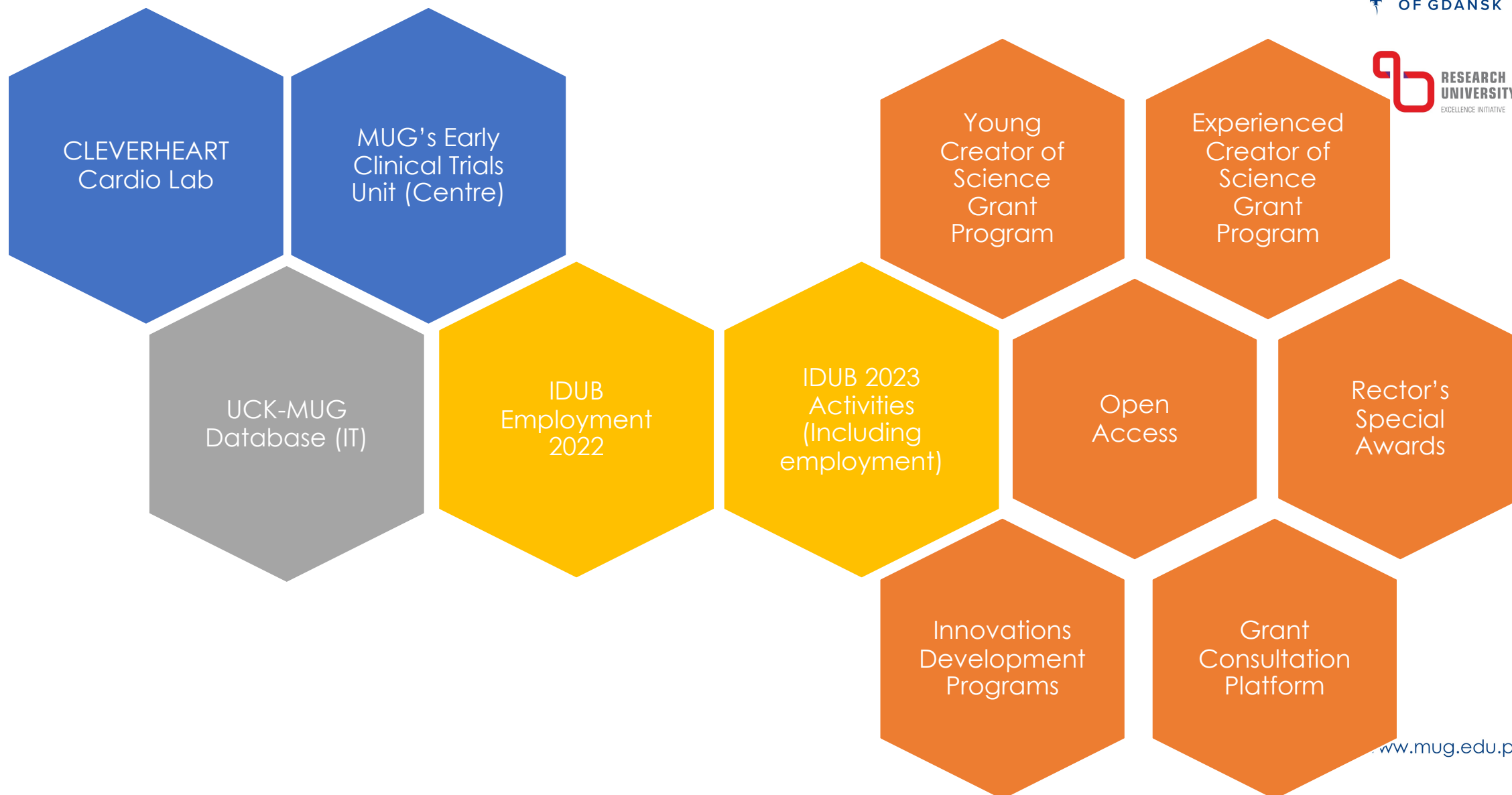


Imaging Laboratory

Biochemistry
Laboratory

Centre for Targeted
and Untargeted
Metabolomics Analysis

Secured money within IDUB activities for 2022/2023



Employment within the IDUB Program Strengthening the MUG's potential

IDUB MUG employed **53** people

15 Researchers

4 Senior Assistants

8 Adjuncts and Professors

3 Visiting Professors

38 Research support staff

20 direct

18 indirect

(+ 4 finished employments)

33 full time

20 part time

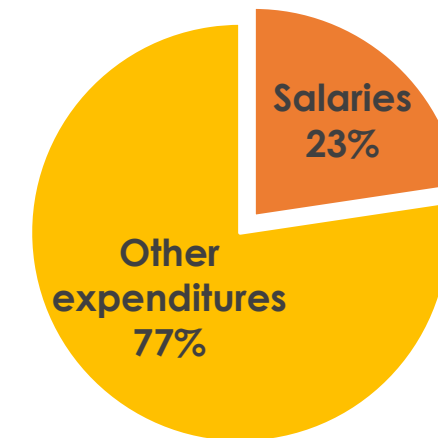
using 40 FTE

(data for Nov. 2021)



People employed within IDUB
Program generate total salary
of over PLN 3.2 million per year.

IDUB Budget (yearly)



Employment within the IDUB Program Strengthening the MUG's potential

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Translational
Medicine Centre

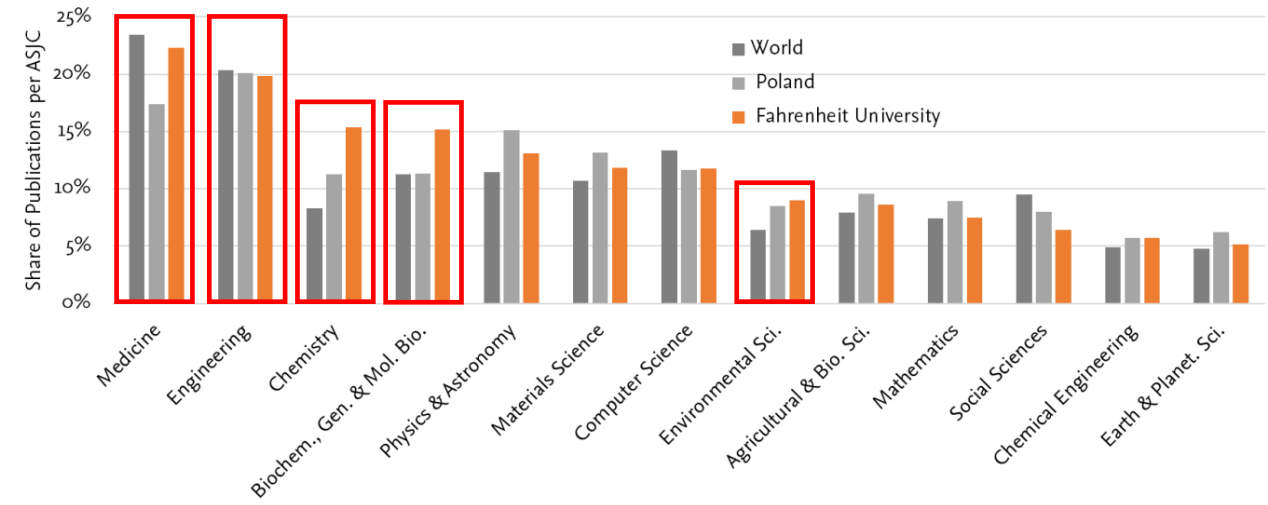
Bioanalytical
Laboratory

Centre of
Biostatistics and
Bioinformatics
Analysis

Centre for Service
Excellence
(and some other
administrative
support units)

The **Fahrenheit Union of Universities in Gdańsk** was established upon the joint request of the Rectors of the **Medical University of Gdańsk**, **Gdańsk University of Technology** and the **University of Gdańsk**.

The **potential** of the FahrU is **44,000 students**, nearly **4,000 research workers** and **teaching staff** members, as well as **1,700 Ph.D. students**. The academic staff is composed of world-class scientists, with as many as 43 ranking among 2 % of the most influential researchers in the world in the Stanford University rankings.



Prof. Tomasz Bączek is the Team Leader for Identifying Areas of Synergy in FahrU Research

International Scientific Council

Meetings:

5.02.2021, 29.11.2021

Webinars with the Experts

Visit planned for 1-3.06.2022



Prof. Christoph Zielinski



Prof. Giuseppe Mancia



Prof. Sir Magdi H. Yacoub



Prof. Dame Anna Dominiczak



Prof. Andrea Gallamini



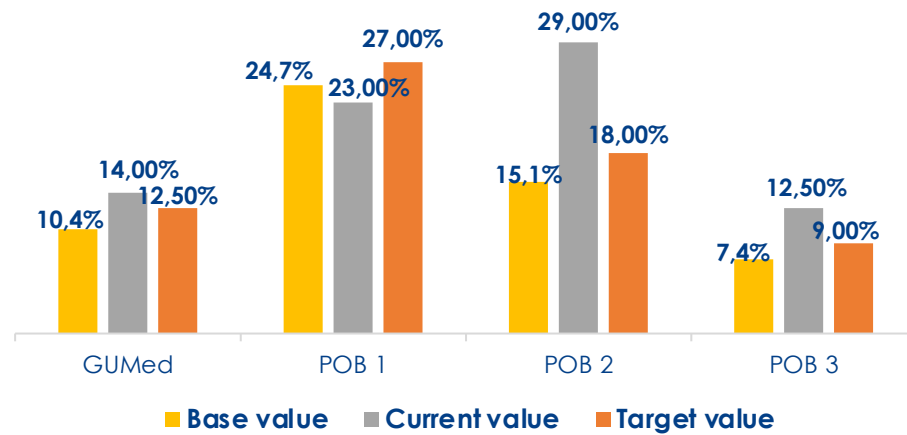
Prof. David R. Goodlett



Prof. Reinhold Kreuz

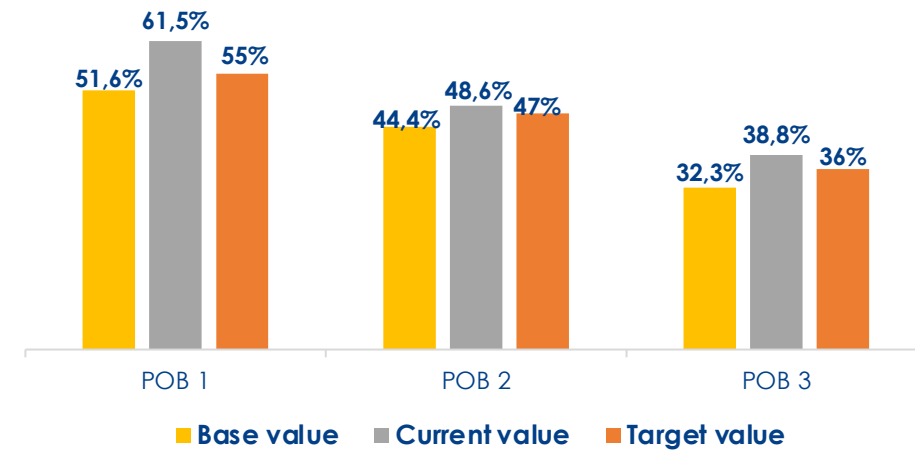
Performance monitoring

% Articles in Top 10%



Mandatory

% Articles in International Collaborations

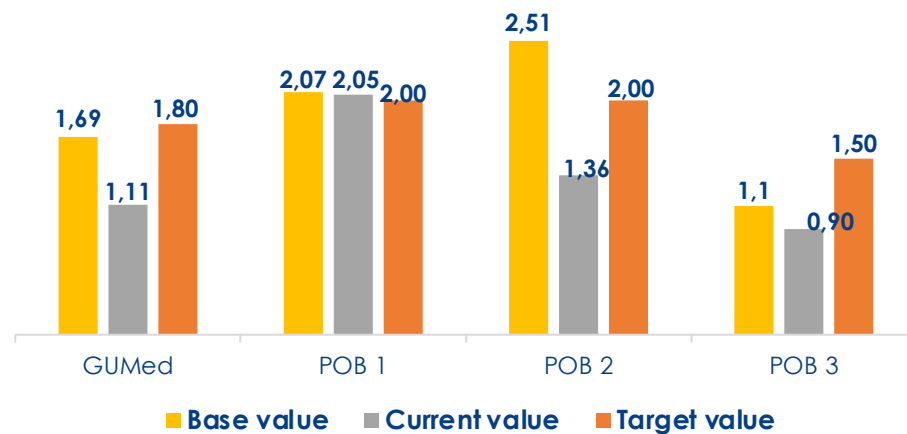


Mandatory

Base value 2013-2017
Current value 2020-2021
Target value 2020-2024

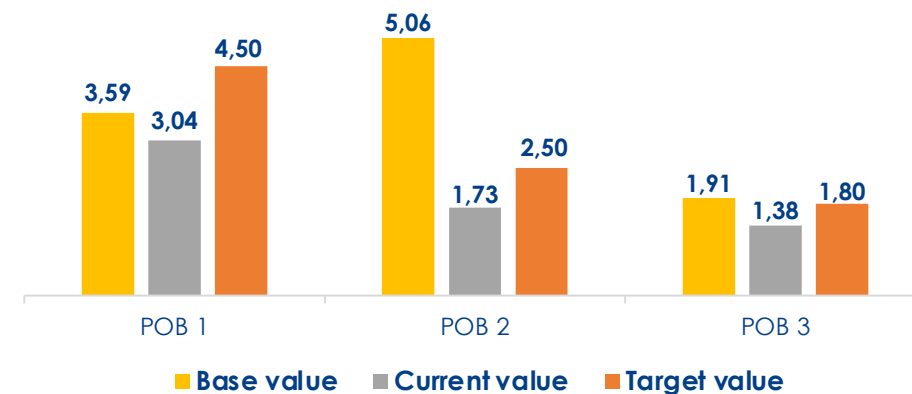
Performance monitoring

Normalized Citation Impact



Mandatory

Normalized Citation Impact for Internationally Co-authored Articles

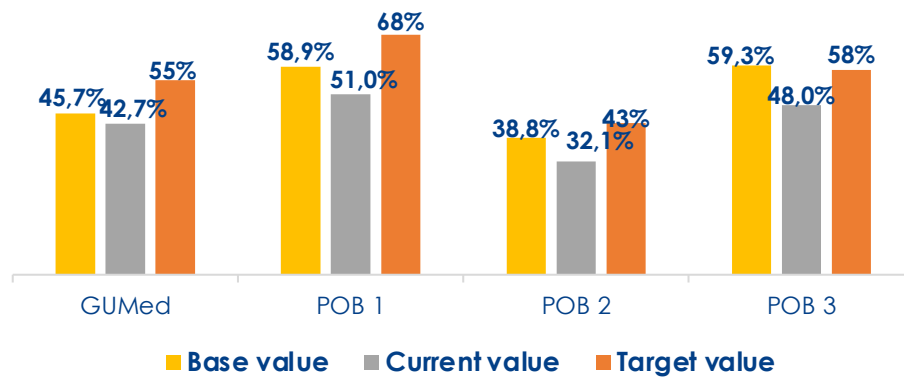


Optional

Base value 2013-2017
Current value 2020-2021
Target value 2020-2024

Performance monitoring

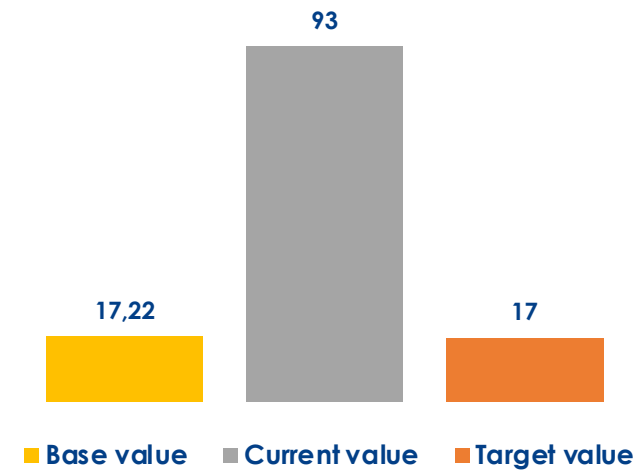
% Publications in Top 25% Journal Percentiles



Optional – determined by GUMed

Base value 2013-2017
Current value 2020-2021
Target value 2020-2024

Doctoral Students' Articles in Q1 Journals



Optional – determined by GUMed