

BIOCentre – the first Croatian biosciences incubation centre for technology commercialization and contract research services

Marija Lovrić, PhD

Chief Executive Officer & Chief Science and Technology Officer

03/02/2022

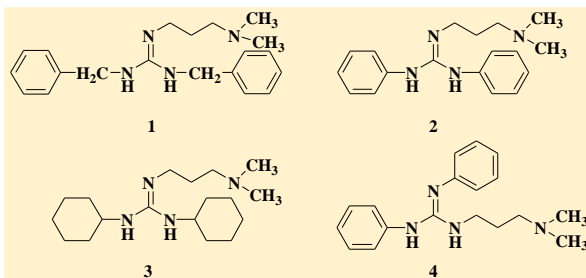




Marija Lovrić, PhD

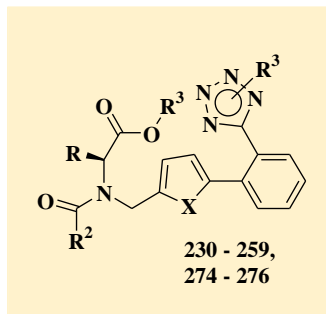
- Date and place of birth: 26th Sep 1978, Zagreb
- Education:
 - University of Zagreb, Faculty of Natural Science
2002 - MSc in Chemistry, 2007 - PhD in Chemistry
 - University of Zagreb, Faculty of Pharmacy and Biochemistry
2017 - Scientific Associate, Biomedicine and Health
 - Cotrugli Business School, Zagreb
2019-2021, Executive MBA
- Current work position:
 - BICRO BIOCentre, Ltd.
Chief Executive Officer &
Chief Science and Technology Officer





University of Zagreb, Faculty of Natural Science (1997-2002)

Thesis: "Preparation and spectroscopic characterisation of new guanidine derivatives" was made at the Ruđer Bošković Institute in agreement with Department of Organic Chemistry Faculty of Natural Science



University of Zagreb, Faculty of Natural Sciences (2003-2007)

Thesis: "Synthesis and Biological Evaluation of Novel Biaryl Compounds" was made in Laboratory of Organic Chemistry in BELUPO Pharmaceuticals & Cosmetics Inc. and Laboratory of Pharmacology at University of Osijek, Faculty of Medicine

**Informal
education**

Assistant, Internal and external secondments, case studies, meetings and conferences, radio host, review and project evaluation, NGO ...

Work experience



R&D, Regulatory Affairs



Regulatory Affairs



Environmental protection



GlowBrain

EU FP7 project



BIOCentre

Incubation centre for biosciences
Zagreb, Croatia

Opened in September
2015.



Projekt je sufinancirala Europska
unija iz Europskog fonda za
regionalni razvoj

Ulaganje u budućnost



KONKURENTNA
HRVATSKA



Ministarstvo
znanosti
obrazovanja
i sporta



Apple Park

Corporate headquarters of Apple Inc.
California, US

Opened in April
2017.



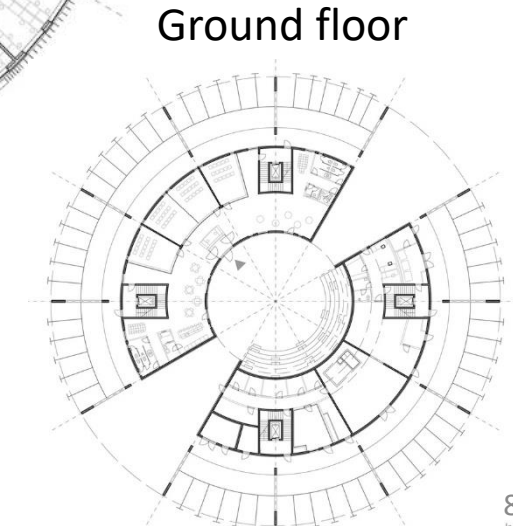
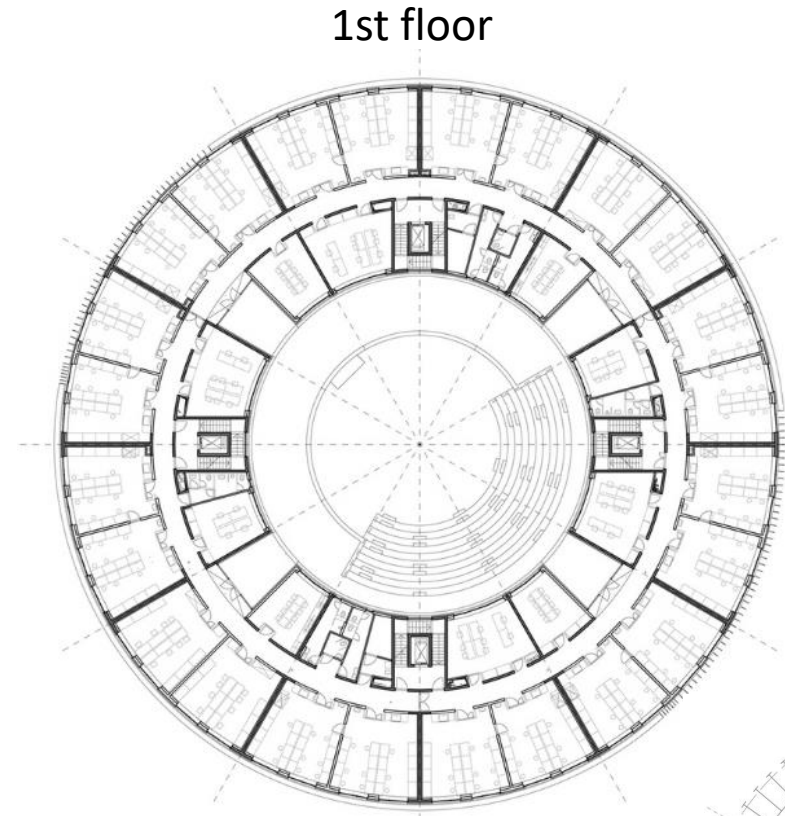
5 operational programs



1 BIOFacility



2 BIOIncubation



5 operational programs

1 BIOFacility

Program provides laboratories and office space for rent to start-ups and existing businesses.
1st floor of the building.
20 labs, 12 offices, surface 1572,42 m².



Tenants

Sanagen pharm d.o.o.

Glucodent d.o.o.

Creaticon d.o.o.

**Sveučilište u Zagrebu, Prirodoslovno-
matematički fakultet**

**Sveučilište u Zagrebu, Edukacijsko-
rehabilitacijski fakultet**

Genera istraživanja d.o.o.

Genos d.o.o.

Genos Glycoscience d.o.o.

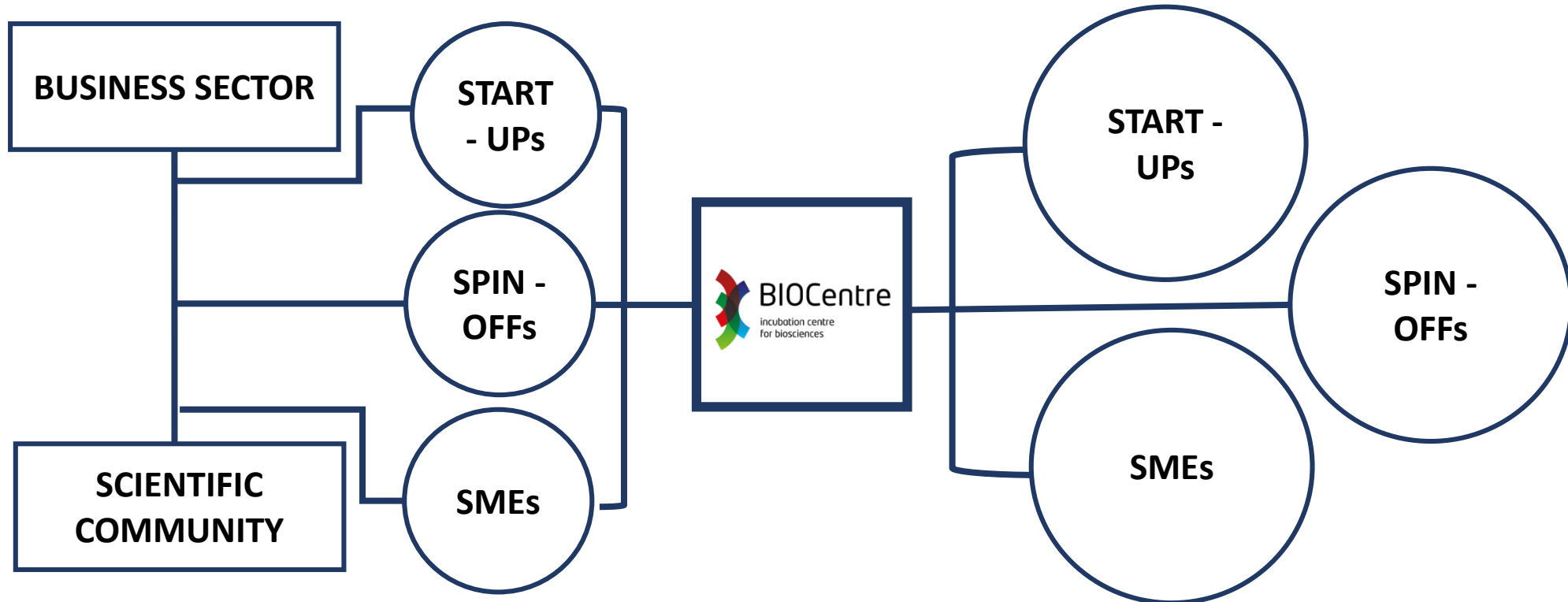
Fidelta d.o.o.

Compatibility of the Programmes



BIOFacility
INFRASTRUCTURE 

BIOIncubation
INCUBATION SUPPORT 



5 operational programs



3 BIOEducation

For groups
and
individuals.



Workshops:

- Introduction to bioprocessing
- Introduction to GC and LC
- Development and validation of analytical methods in LC and GC
- qPCR analysis
- ...

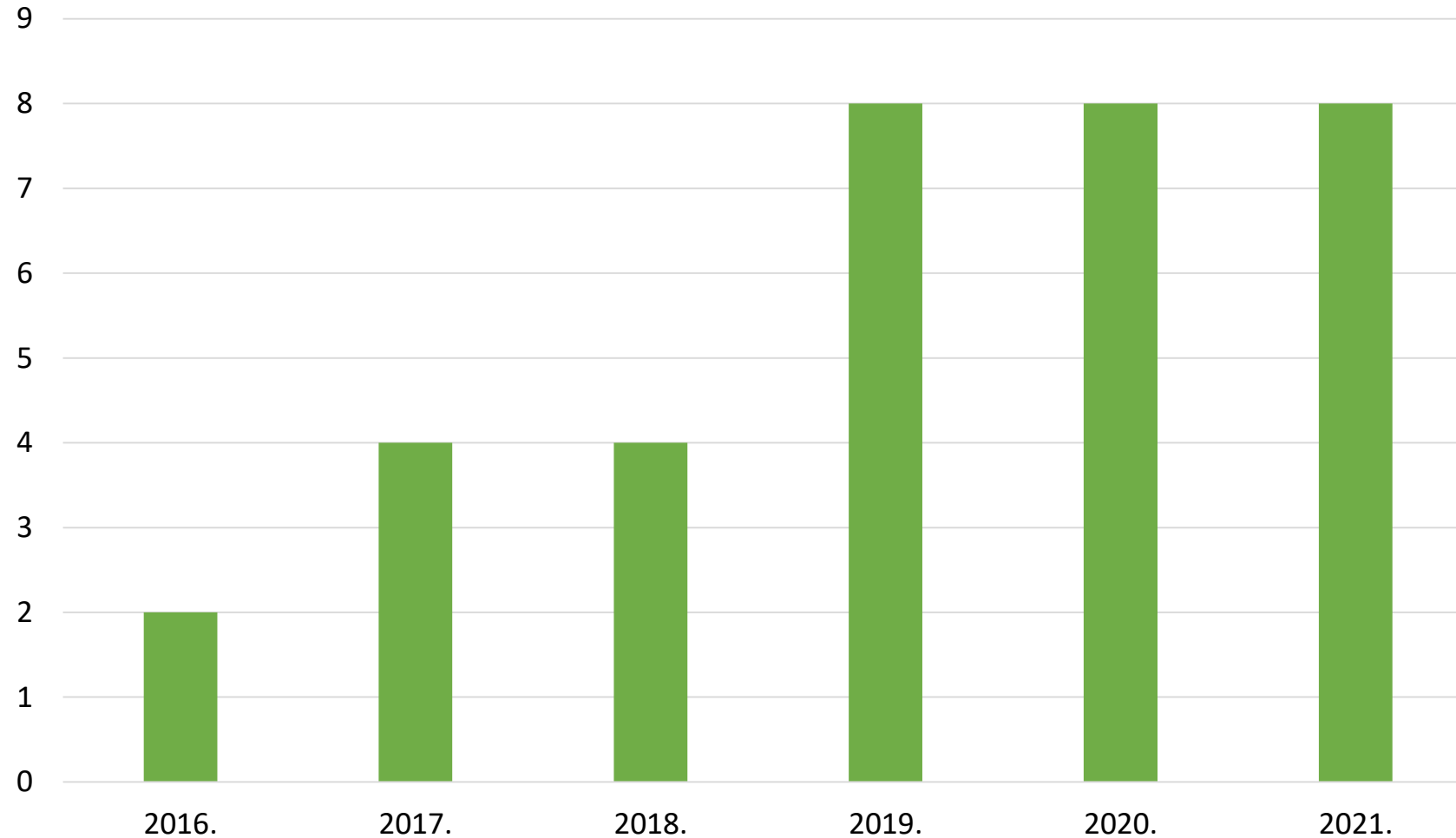
<https://www.biocentre.hr/en/bioeducation/>

5 operational programs



3
BIOEducation

Technical workshops analysis





Microbiology



Bioanalytics chemistry



Bioanalytics proteomics



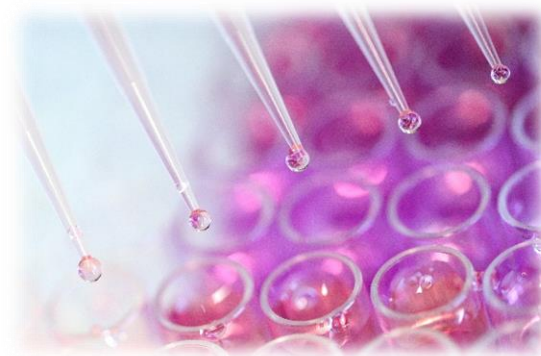
Central laboratory



Downstream processing



**Wet lab,
washing & sterilization**

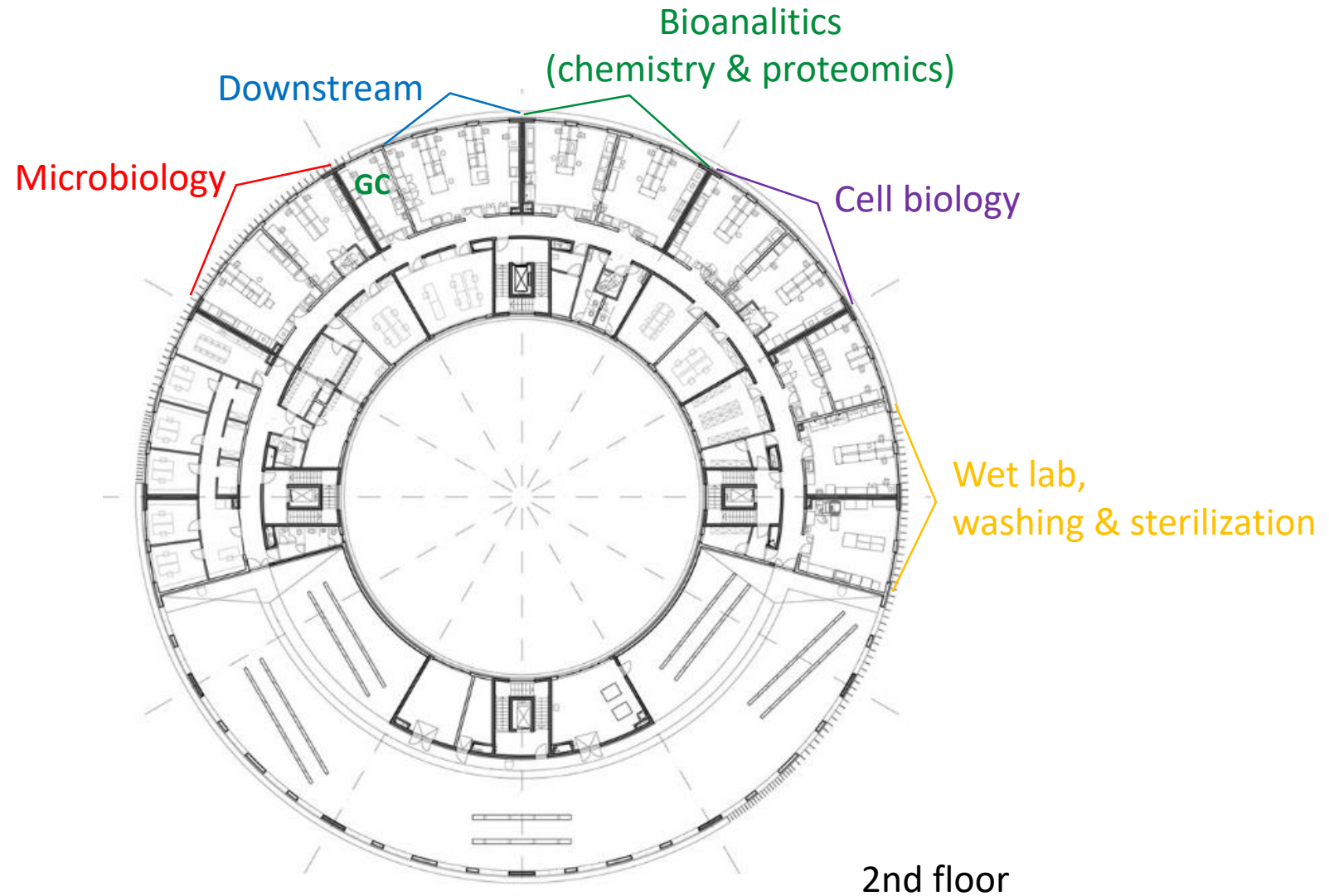


Cell biology

5 operational programs



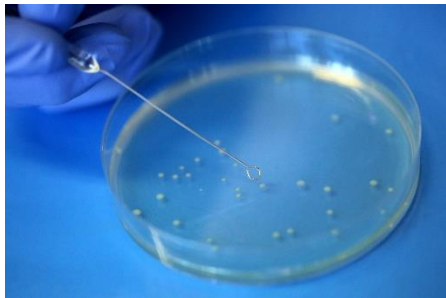
4 BIOTransfer



5 operational programs



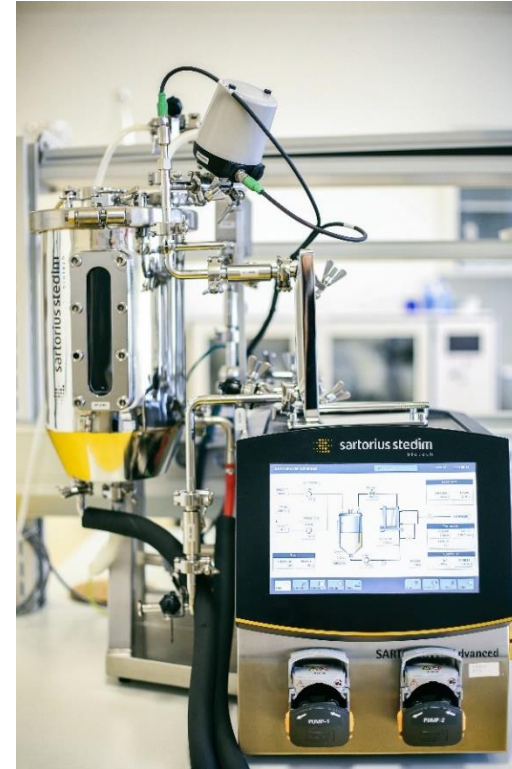
4 BIOTransfer Microbiology



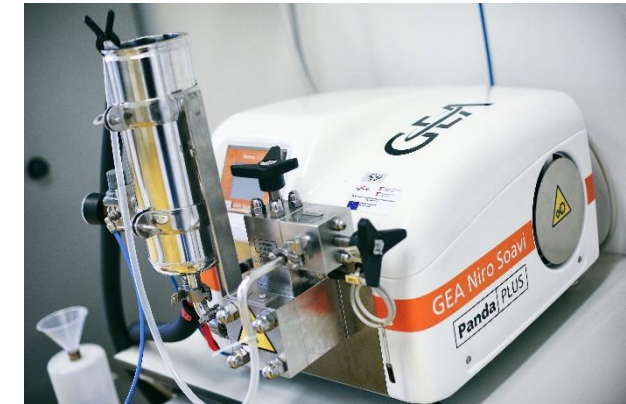
CLONING AND MUTAGENESIS



UPSTREAM PROCESSING
BIOMASS AND PROTEIN
PRODUCTION



PROCESS DEVELOPMENT



HOMOGENISATION
PRODUCT EXTRACTION

5 operational programs



4 BIOTransfer Downstream processing



PROCESSING OF COMPLEX MIXTURES



FROM A LABORATORY TO A PILOT SCALE



DIAFILTRATION AND CONCENTRATING

5 operational programs



4 BIOTransfer Bioanalytics chemistry



NON-TARGETED AND TARGETED ANALYSIS



DEVELOPMENT, TRANSFER AND VALIDATION OF ANALYTICAL METHODS

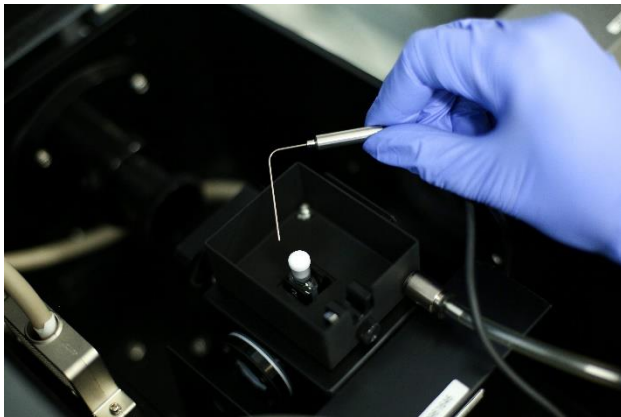


METABOLITES RESEARCH

5 operational programs



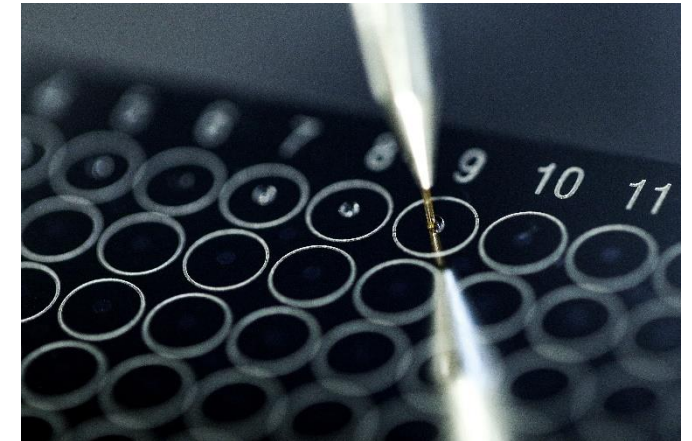
4 BIOTransfer Bioanalytics proteomics



PEPTIDE MAPPING
PROTEIN SEQUENCING
MW ANALYSIS



LIQUID CHROMATOGRAPHY PATTERNS



NON-TARGETED "SHOTGUN" AND TARGETED
PROTEOMICS



4 BIOTransfer Cell biology



**CELL CULTURE CULTIVATION AND
LABORATORY SCALE ASSAYS**

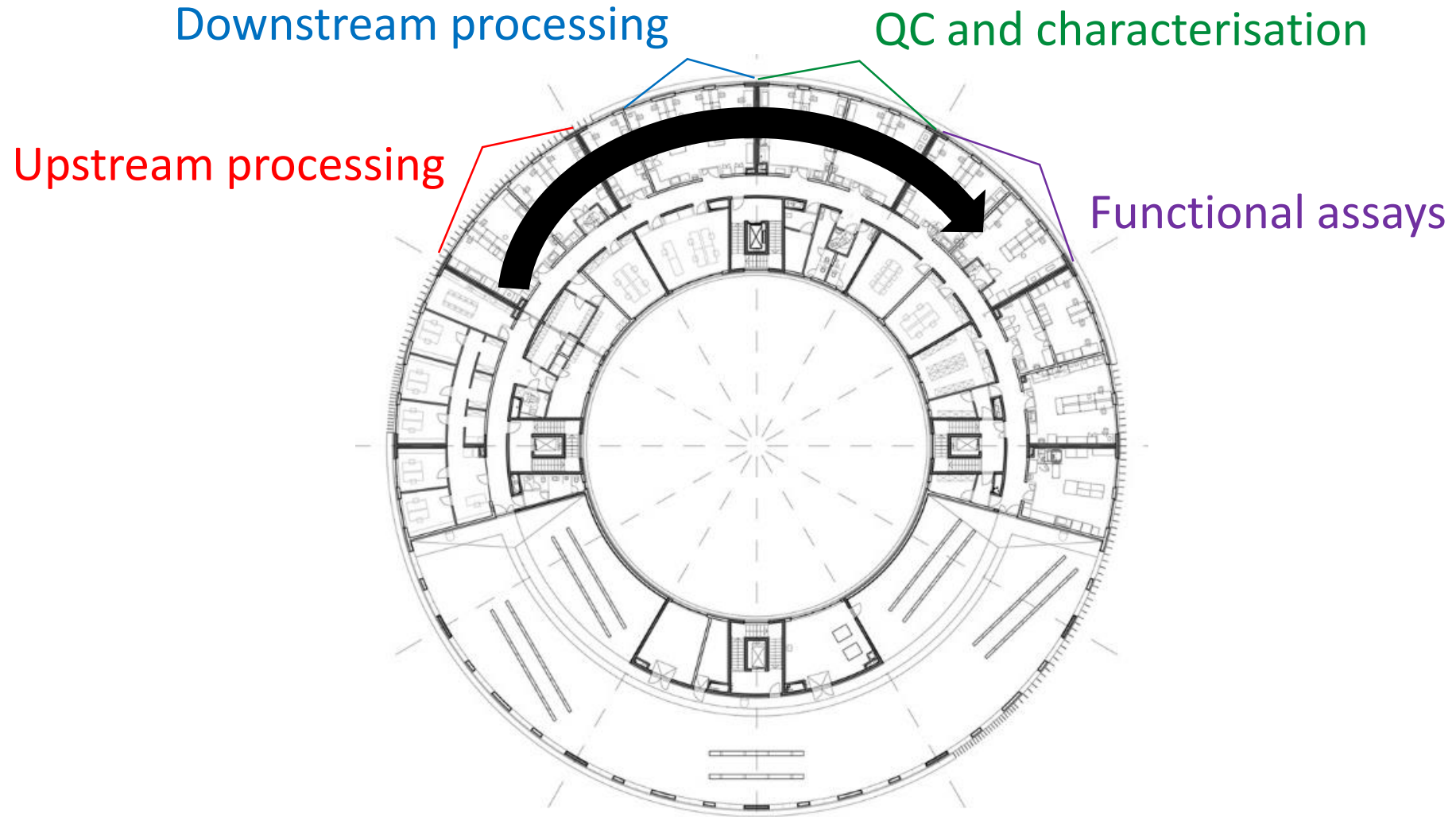


FLOW CYTOMETRY

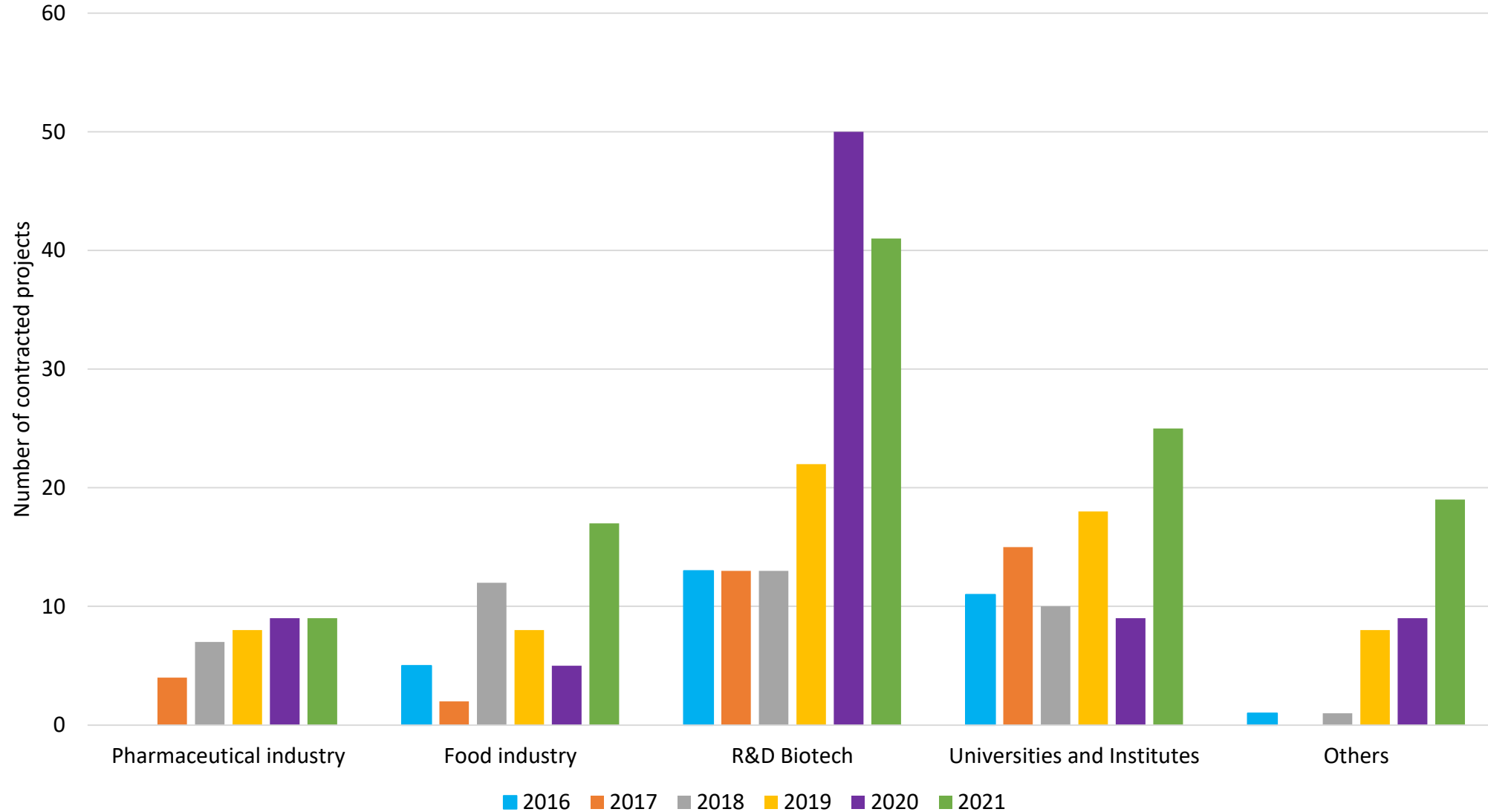


**CELL CULTURE CULTIVATION ON A SEMI-INDUSTRIAL
SCALE**

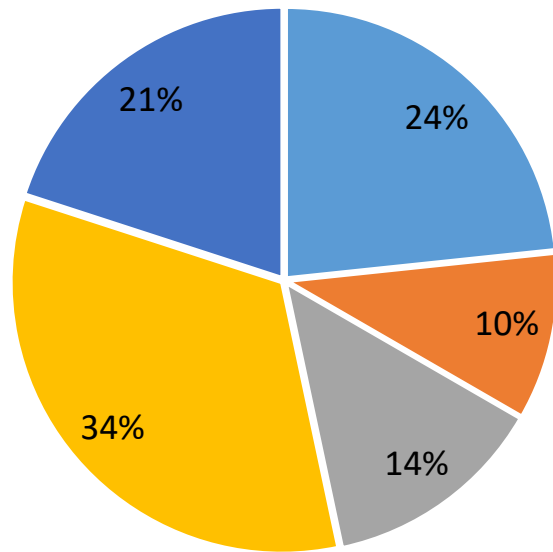
Biologics development



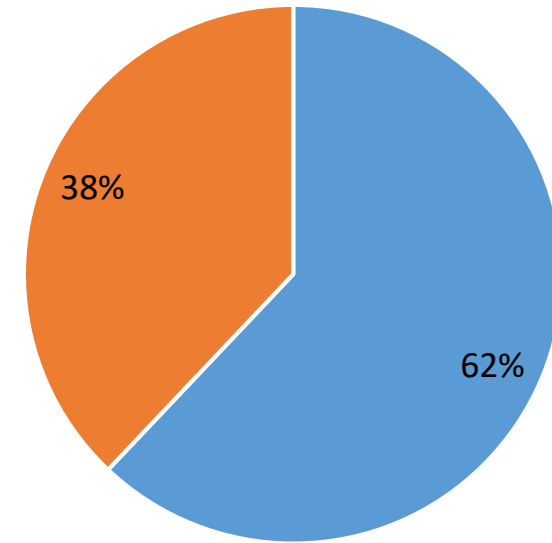
BIOCentre's clients



BIOCentre's clients in 2021



- Pharmaceutical industry
- R&D Biotech
- Others
- Food industry
- Universities and Institutes



- Clients we worked with in 2021, but also in previous years
- New clients in 2021



5 BIONetwork





Thank you!



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www.biocentre.hr



[biocentre-zagreb](#)



[BIOCentreZagreb](#)



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