

# Core Facility for Crystallography and Biophysics

TEAM-TECH Core Facility project founded by FNP established in 2018 a Core Facility for Crystallography and Biophysics at the Biological and Chemical Research Centre, University of Warsaw

CHEM

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BIO

Small Molecule Compounds X-CHEM	Small Molecule Compounds Comp-CHEM
Crystallization	X-Ray Wavefunction Refinement
Polymorphism and Phase Transition	Charge-Density Analysis
X-Ray Diffraction (in house)	Hydrogen Bond Propensity
Electron Diffraction (in house)	Crystal Structure Prediction
Synchrotron Data Collection (external)	Electrostatic Energy Calculations
Structure Solving and Refinement	Periodic DFT Calculations
Structural analysis of the lead compound	Computational analysis of the lead compound



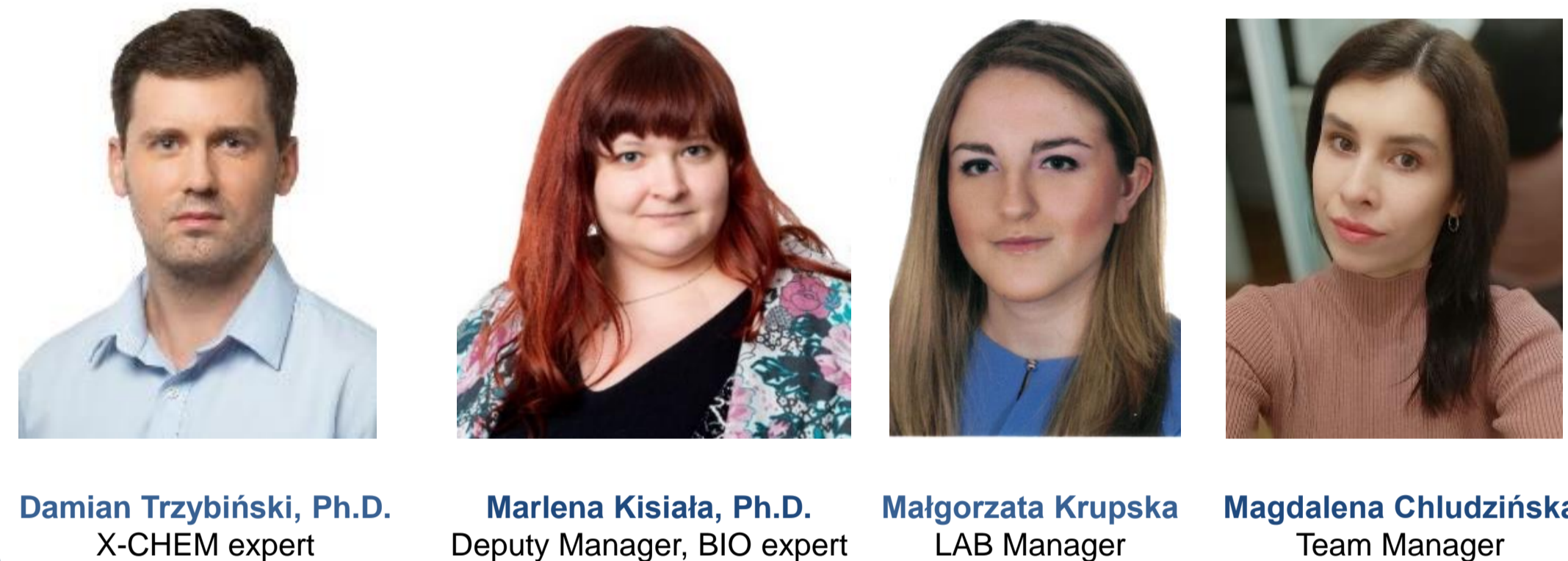
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Head of CFCB  
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Biological Macromolecules MX-BIO	Biological Macromolecules EM-BIO
Protein Expression and Purification	Sample Preparation
Ligand Binding Assays	Negative staining
Crystallization	Sample Screening
X-Ray Diffraction (in house)	Cryo-EM Data Collection
Synchrotron Data Collection (external)	Electron Diffraction
Structure Solving and Refinement	Structure Solving and Refinement
Crystallography and biochemistry of the target molecule	Cryo-EM analysis of target molecule

## CHEM Equipment



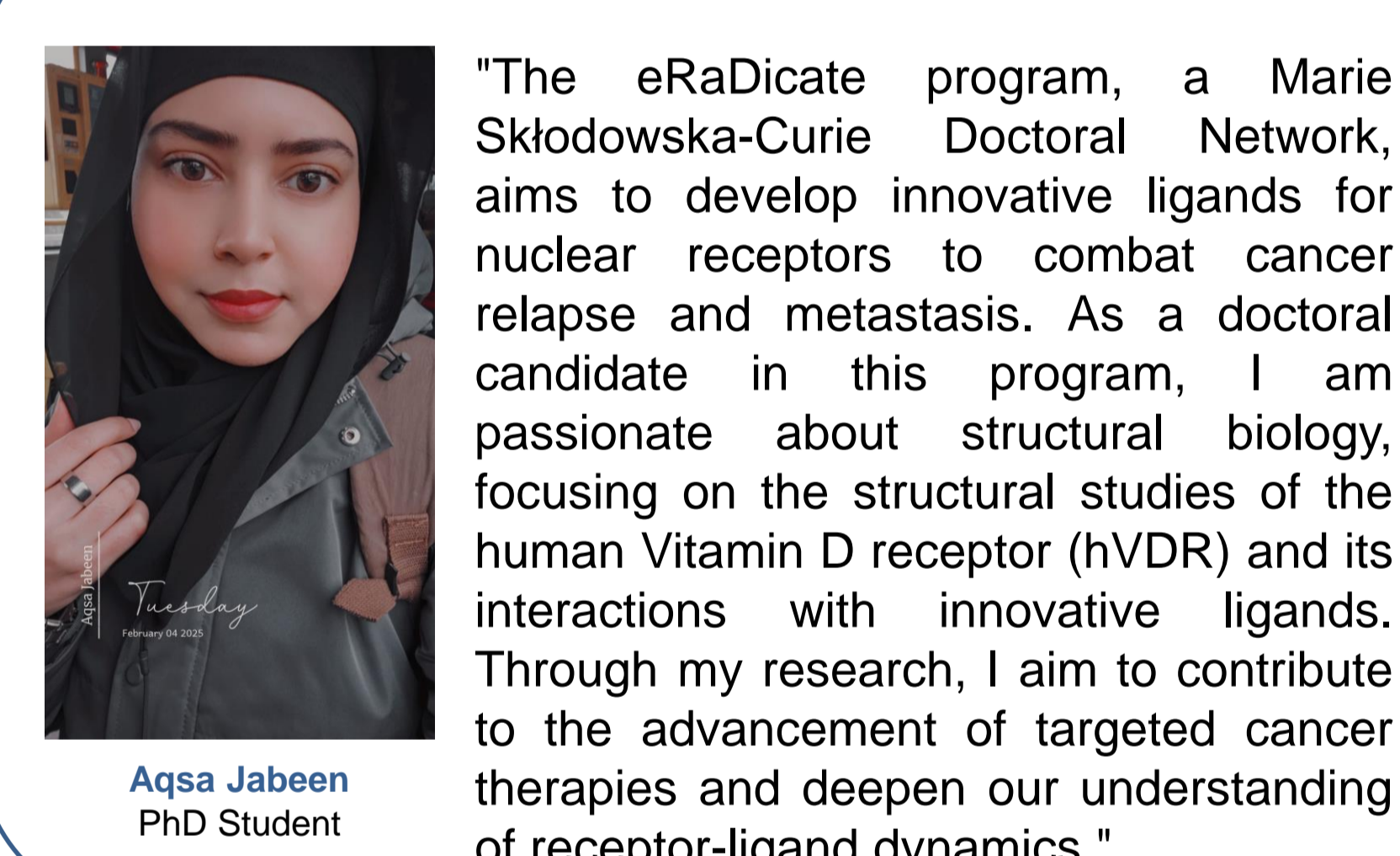
## Core Facility Staff



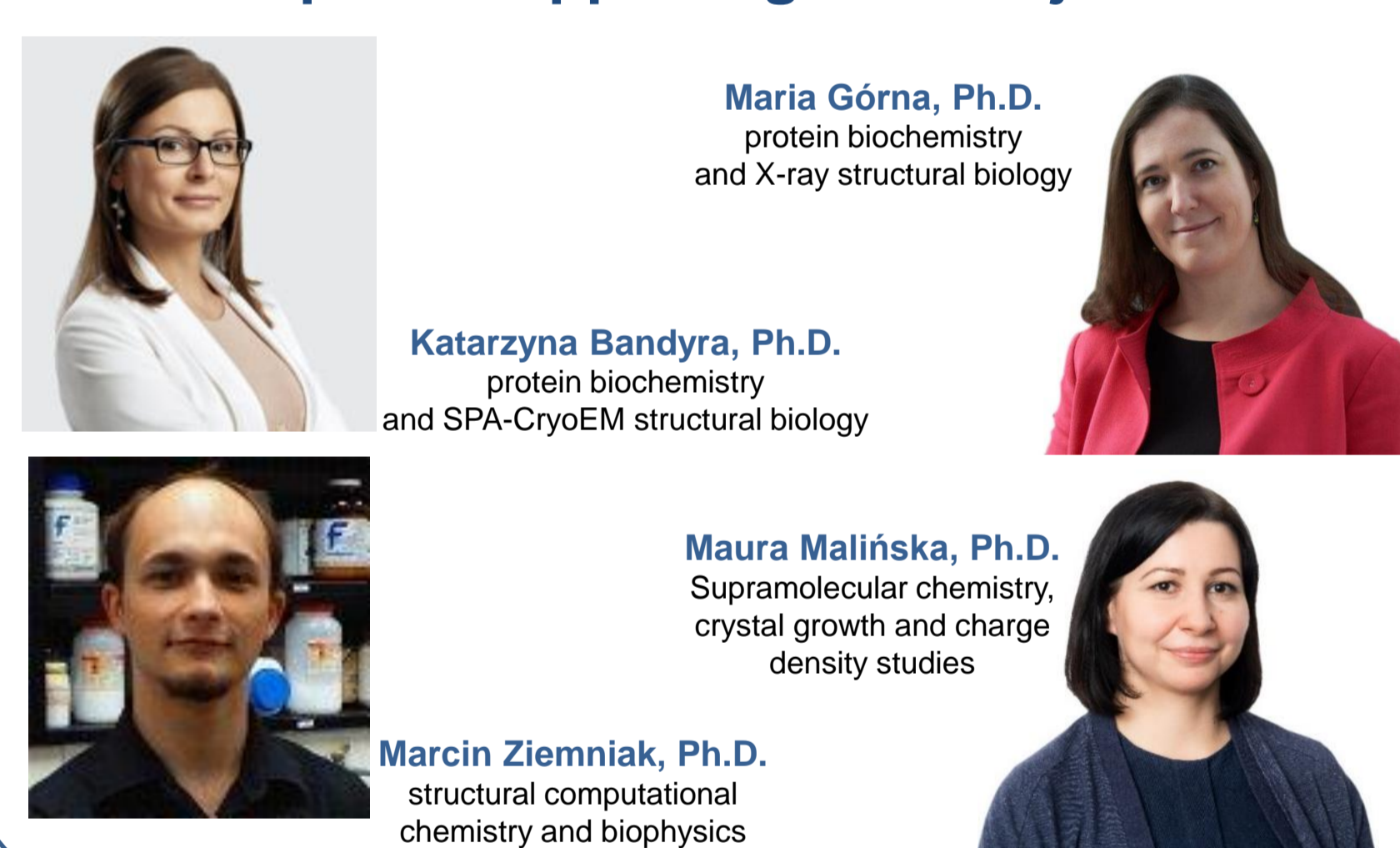
## BIO Equipment



## eRaDicate



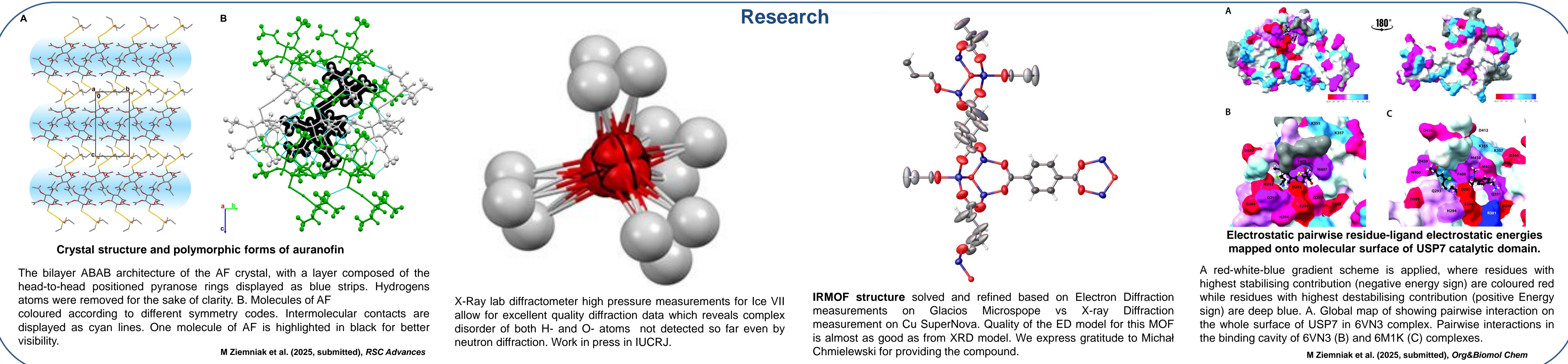
## Experts Supporting Our Projects



## Customers



## Research



# SCIENCE SERVICES FOR ACADEMIC AND COMMERCIAL USERS

The „Core facility for crystallographic and biophysical research to support the development of medicinal products” project is carried out within the TEAM-TECH Core Facility programme of the Foundation for Polish Science co-financed by the European Union under the European Regional Development Fund.