

# Infrastructure for Trans-National Access and Discovery in Structural Biology



## *In a nutshell ...*

- Integration of leading European structural biology facilities
- Trans-national access to and training in X-ray crystallography, SAXS, high-field NMR, advanced EM, Biophysics, etc
- Structural biology supporting health, food and biotechnology
- For researchers from academia and industry
- Supported access for experts and for scientists with background other than structural biology



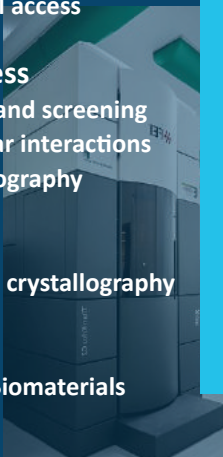
**FROM** February 1, 2020

**UNTIL** January 31, 2024

<https://inext-discovery.eu>

## ACCESS OPPORTUNITIES

- **Technology Tracks**  
NMR, X-ray, EM access
- **Signature Access**  
Fragment & ligand screening  
Macromolecular interactions  
EM/CLEM tomography  
X-ray imaging  
In-cell NMR  
Serial & Long- $\lambda$  crystallography
- **Thematic Calls**  
Health, Food, Biomaterials



## 30 groups from 14 countries

### 6 NMR facilities

Brno (CZ), Florence (IT), Frankfurt (DE), Grenoble, Lyon (FR), Utrecht (NL)

### 8 EM facilities

Aarhus (DK), Brno (CZ), Didcot, Leeds (UK), Heidelberg (DE), Leiden (NL), Madrid (ES), Strasbourg (FR)

### 7 X-ray facilities

Barcelona (ES), Berlin, Hamburg (DE), Didcot (UK), Grenoble, Paris (FR), Lund (SE)

### 5 ESFRI groups

EATRIS, EU-OPENSREEN, Euro-Biolmaging, INSTRUCT, METROFOOD

### 6 Networking groups

Athens (GR), Budapest (HU), Hinxton (UK), Lisbon (PT), Vilnius (LT), Warsaw (PL)



## TRAINING

- Fragment screening
- Serial crystallography
- *In vivo* crystallization
- EM sample preparation
- Cryo-electron and -soft X-ray tomography
- Single particle EM data processing
- NMR sensitivity enhancement
- Kinetic in-cell structural biology
- In-cell NMR
- Macromolecular interactions



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## COORDINATOR

NKI Amsterdam



## CONTACT

Dr. Hans Wienk  
Project Manager  
Netherlands Cancer Institute  
Amsterdam, The Netherlands

**Phone** +31 20 5126263

**Email** h.wienk@nki.nl