For the Advancement of Science – Working With Biomedical RIs

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CORBEL Mission

Harmonizing access and services across RIs and across cutting-edge technology platforms...

...for supporting modern and pioneering research
WP4: Piloting the provision of open user access across Research Infrastructures

**Step 1: VIP projects**
- Build on pre-existing RI user contacts
- Quickly establish joint access procedures

**Step 2: 1st Open Call**
- Public advertisements to the European research community at large
- High publicity and visibility for life science RIs
- Provision of unbiased, open access

**Step 3: 2nd Open Call**
- Incorporating user and service provider feedback
- Improving processes, communication, selection criteria
- Widening service portfolio by linking to medical RIs
Open Call offered **access to cutting-edge technologies and services** at more than 20 service providers from 10 European RIs.

Successful projects receive constant support from Open Call project managers.

CORBEL funds are used to cover requested access and for travel grants for users.

Users are both from academia and industry.
Supporting advanced research projects across Europe

Applicant profiles

Organisation legal status
- University 70%
- Public research organisations 22%
- SME 6%
- Other 2%

Gender
- Female 34%
- Male 66%

Users include scientists at all career levels

37 projects passed the evaluation process & benefit from open access to technologies, services & expertise plus the CORBEL travel grant
Scientists build their own pipelines between RIs

All eligible Open Call applications (53) considered
Continued project support and interaction drive
Open Call projects
Benefits for Users and Service Providers

**Users’ benefits**
- Access to otherwise inaccessible technologies & highly skilled technical expertise
- Financial support to conduct project
- Producing high-quality data for their research
- Establishing long-term collaborations
- Improving skill set and technology know-how

**Service Providers’ benefits**
- Building bridges between life science communities
- Working on new challenges can push their systems to new frontiers
- Increasing their visibility, also towards industry
- Training and personal development
- Centralized project coordination
User Testimonials

‘When we read about the CORBEL Open Call we thought it was a great opportunity to gain access to important Research Infrastructures with experience that is not at all present in our laboratory. Through this call, we have filled a gap improving our research.’

‘It enables a global view of the project and makes the process faster and simpler.’

The invaluable impact of CORBEL on our research was the possibility to obtain a huge amount of results and scientific information in an extremely short time and to learn from experts the best strategies to set up a screen.
CORBEL finishes – what now?

WP4 strategy to sustain achievements such as….

- Increased interaction and collaboration between BMS RIs
- Driving creation of scientific results, many publications in preparation
- Increased visibility of RI services
- Shaping cross-RI service provision
- Deeper knowledge of the purpose of other RIs
- Central contact point between different RIs for consultation
Bilateral Collaboration Agreements to support common access – first ones signed, more to come!

Mechanism of Collaboration - examples

❖ **Exchange (visits)** of RI operational and managerial staff

❖ **Promotion** of the RIs both collectively as well as individually

❖ **Providing support** for projects interested in making the transition from one RI to the other

❖ Allowing a **fast-track** for projects previously scientifically evaluated by the other RI

❖ Developing a strategy for **realizing funds** for interdisciplinary projects
Promotion of the RIs both collectively as well as individually – e.g. FEBS 2019, Krakow
Increased visibility of RI services

• Brochure demonstrates benefits of working with RIs
• Addressed to scientists and policy makers

• Advertisement of RI services on joint website (WP2 -> now BBMRI)

• Production of 2 videos highlighting RI services and success stories
• for LS RI website and individual RI websites
• Conferences
• Social media
All technical and administrative staff of the participating service providers from BBMRI, EATRIS, ECRIN, Elixir, EMBRC, EU-OPENSSCREEN, Euro-BioImaging, Infrarentier, Instruct and ISBE.
Screening for active compounds against acute myeloid leukemia

Maria Paola Martelli, University of Perugia
Roberta Ranieri, University of Perugia
Martin Neuenschwander, FMP, EU-Openscreen
Chloroplast plasticity in planktonic symbioses unveiled by nanoscale imaging

Johan Decelle, University of Grenoble Alpes
Raffaela Cattaneo, Institut de la Mer de Villefranche, EMBRC
Sharks, skeletons and spectral imaging: Exploring the hidden life of chondrocytes and tessellated cartilage

★ Mason Dean, MPI of Colloids and Interfaces
★ Júlia Chaumel, MPI of Colloids and Interfaces
★ María Marsal, Institute of Photonic Sciences, Euro-BioImaging