



# Interdisciplinary Research Centre in Biomedical Materials

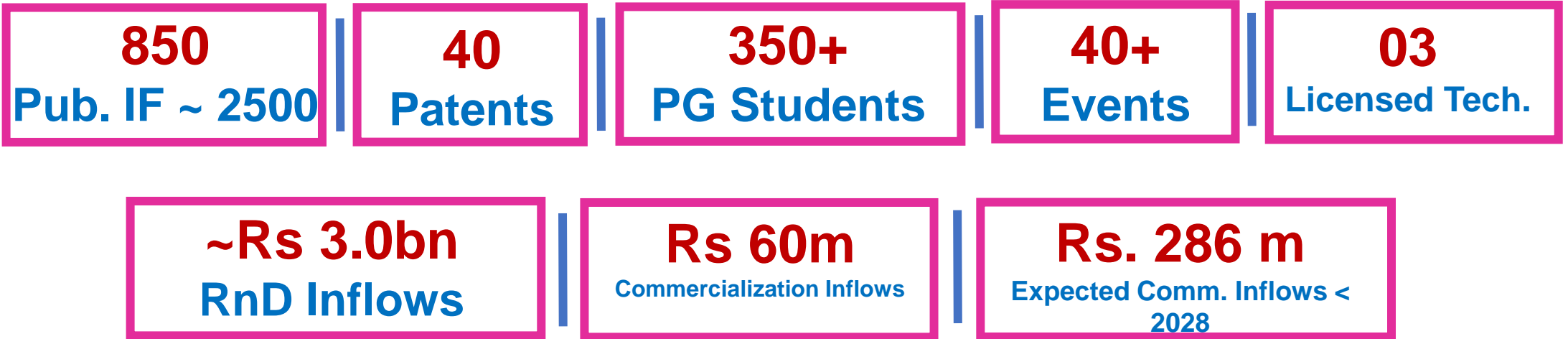
PAST, PRESENT & FUTURE

PAK-GERMAN COLLABORATIONS

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# About IRCBM

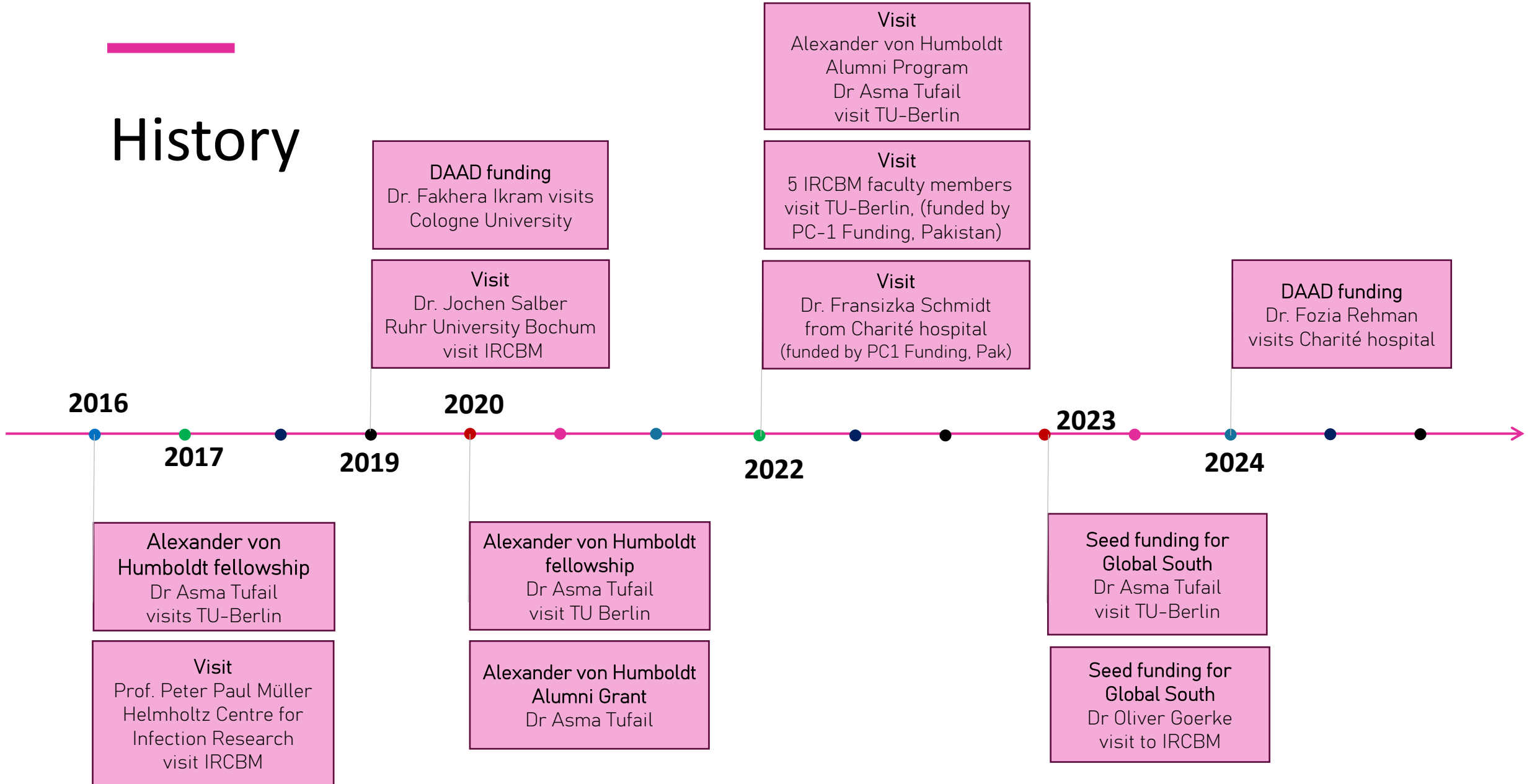


3 products  
**APPROVED**  
Drug Reg. Auth. Pak



**Cannenta**  
ADVANCED WOUND CARE

# History



# Visits to Pakistan



2016 - Prof. Peter Paul Müller Helmholtz Centre for Infection Research visited IRCBM

2019 - Dr Jochen Salber Ruhr University Bochum visited IRCBM in ISBM 2019

2022 - Dr Franziska Schmidt from Charité hospital visited IRCBM under CATBM



2023 - Dr Oliver Goerke from Technical University Berlin visited IRCBM under Seed Funding for Cooperation with Global South 2023

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# Visits to Germany

- 2016-2017: Dr Asma Tufail – Alexander von Humboldt fellowship at TU Berlin
- 2019: Dr Asma Tufail visit TU-Berlin under Alexander von Humboldt program
- 2019: Dr. Fakhera Ikram visits Cologne University under DAAD fellowship
- 2020: Dr Asma Tufail visits TU Berlin under Alexander von Humboldt program
- 2023: A delegation of 5 faculty members of IRCBM visit two German Universities - TU Berlin & Charité hospital funded by a MoST PC-1
- 2023: Dr Asma Tufail visits TU-Berlin under Alexander von Humboldt program
- 2023: Dr Asma Tufail visits TU-Berlin under joint project Cooperation with Global South 2023
- 2024: Dr Fozia Rehman visits Charite' hospital under DAAD funding (on-going)



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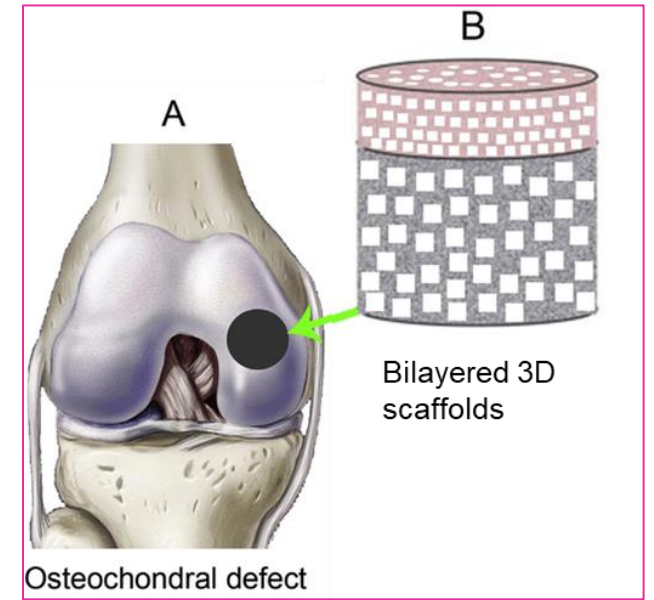
# Joint Innovation & Research

- 12 Joint-publications
- Joint projects with Ruhr University Bochum and Technical University Berlin
  - Alexander von Humboldt Alumni Grant
  - Seed funding for Cooperation with Global South
  - DAAD funding
- Co-Supervision of PhD and Master Students at TU Berlin

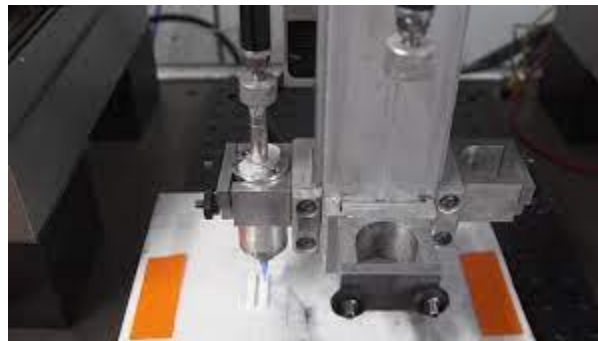
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# Joint Innovation & Research

Additive manufacturing – SLS, SLA, Robocasting and FDM



SLS



Robocasting



SLA

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# IRCBMs German Alumni



**Dr. Fakhra Ikram**  
**Molecular Biologist**  
PhD – Cologne University,  
Germany  
Hard tissue engineering



**Dr. Sobia Tabassum**  
**Materials/ Organic Chemist**  
PhD – Clausthal University  
of Technology, Germany  
Hard tissue engineering



**Dr. Farasat Iqbal**  
**Material Scientist/ Metallurgical Engr**  
PhD – Friedrich-Alexander University  
Erlangen-Nuremberg, Germany  
Hard tissue engineering



**Dr. Asma Tufail**  
**Material Chemist**  
Alexander von Humboldt fellow  
Postdoc – TU Berlin, Germany  
Hard tissue engineering and AM



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# Looking ahead

- Governments Patronage for existing collaborations – showcasing the potential & productivity of Pak-German Scientific Cooperation from funding sources from both countries
- Governments patronage for Access of IRCBM/CUI IP to Exploitable Frameworks in Germany – Seed Capital, Spin-offs
- Brainstorming, Networking and P-2-P linkage development workshops
- Support as Mentors for Identifying and Developing New Pak-Germany linkages