

Friedrich-Alexander-Universität Erlangen-Nürnberg



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UNIVERSITÄT
ERLANGEN-NÜRNBERG

The background of the slide features a blue-tinted image of the FAU building's facade with statues on the roof, and a large, semi-transparent circular seal of the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) on the right side. The seal contains a profile of a man's head and the word 'ACADEMIA' around the perimeter.

HRK – KCUE Higher Education Policy Forum

Best Practices of Korean-German cooperation: The FAU Busan Campus

Prof. Dr. Karl-Dieter Gröske
President of FAU

Overview

- **FAU Erlangen-Nürnberg** – the mother university
- **FAU Busan – Branch Campus** in South Korea
 - Strategic Aims & Chronology
 - Organisation & General Facts
 - Student Development & Research Projects
 - Challenges





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Bavaria in Germany

Bavaria:

Area 70,000 km²

(Switzerland 41,000 km²)

Inhabitants 12.5 m

(Austria 8,4 m)

GDP (2012) € 446 b

(Thailand € 257 b)



Erlangen

Nuremberg

**Erlangen and
Nuremberg**
in the European
Metropolitan
Region Nuremberg =
3.5 million inhabitants
€106 billion GDP

FAU – Research Facts and Figures

Renowned Awards

- 4 Nobel Prizes
- 8 ERC Grants
- 5 Leibniz Laureates
- 2 Körber Prizes
- 1 Krupp Prize
- 3 Humboldt Professors

Cooperations with:

- 1 Max Planck Institute
- 1 International Audio Lab
- 2 Fraunhofer Institutes
- 1 Helmholtz Institute
- 1 FMER Cluster
‘Medical Valley EMN’ ...

German Excellence Initiative

- 1 Cluster of Excellence ‘Engineering of Advanced Materials’
- 1 Graduate School of Excellence ‘Advanced Optical Technologies’

FAU – General Facts and Figures

- One of the top research universities in Germany
- 5 faculties (incl. Faculty of Engineering)
- 35,500 students
(one of the 12 large universities in Germany)
- 639 professors
- 12,000 members of staff
(incl. assistant professors & hospital's staff)
- 66 Bachelor's degree programmes
- 79 Master's degree programmes
- €160 m in third-party funding



Major Research Areas

Humanities, Social Sciences, and Theology	Business, Economics, and Law	Medicine	Sciences	Engineering
			New Materials and Processes	
		Optics and Optical Technology		
		Molecular Life Science and Medicine		
		Health Technology		
Electronics, Information and Communication				
	Energy, Environment and Climate			
Language – Culture – Region				
Cohesion – Transformation – Innovation in Law and Economics				

International Relations – Facts and Figures

- Over **500** international partner universities in more than 70 countries
- Attractive to international researchers as recognised in the Alexander von Humboldt Foundation's rankings:
 - **Rank 5** in natural sciences
 - **Rank 7** in engineering
 - **3** Humboldt professorships (€ 15 m in funds)
- **32** international Bachelor's and Master's Degree Programmes
- **19** English degree programmes with around 600 students
- **FAU Campus Busan**

FAU Busan – Strategic Aims

- Positioning FAU in an international setting
- Joint research with Korean Scientists
- Chances for able young researchers
- International experience / exposure for students
- Expanding pre-existing networks in Korea
- Intensifying contacts to international / Asian industry
- Bridging the gap between Asia and Europe

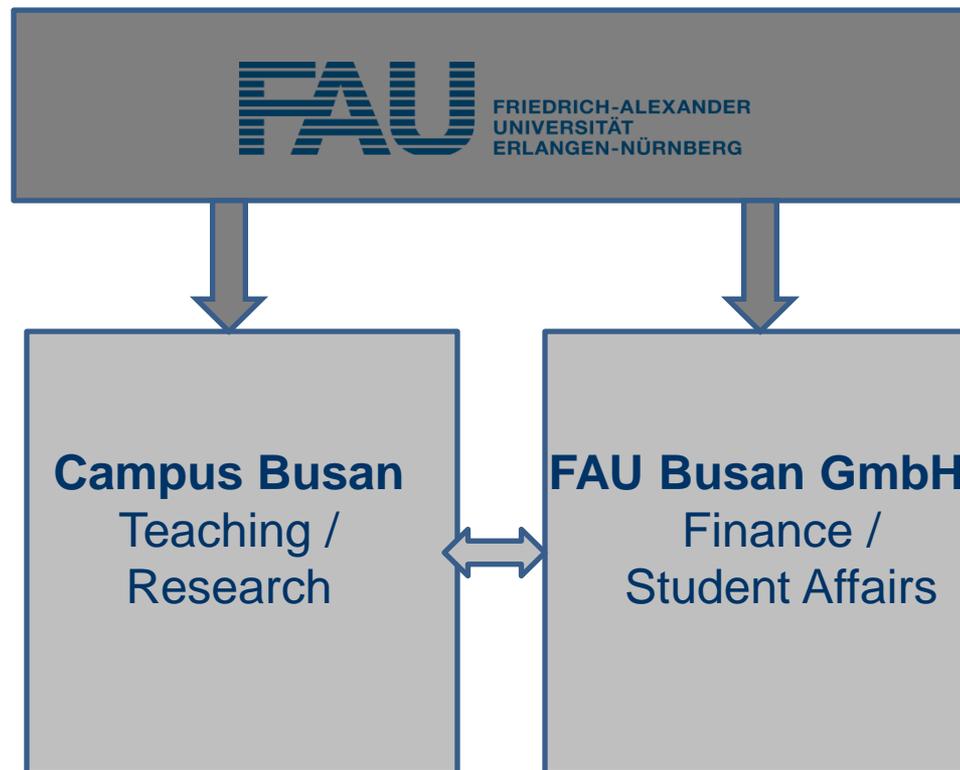


FAU Busan - Chronology

- 2003: Joint degree programme in engineering
- 2007: Invitation to establish a Branch Campus in Busan
- 2008: Development phase
- 2009: *Agreement on Establishment and Operation of FAU Busan*
- 2010: Planning and construction phase
- 2011: Official opening ceremony in March 2011
- 2011: Establishing a research laboratory in
biotechnology
- 2011: Start of Master's programme in Chemical and Bioengineering
- 2013: Third student intake



FAU Busan - Organisation

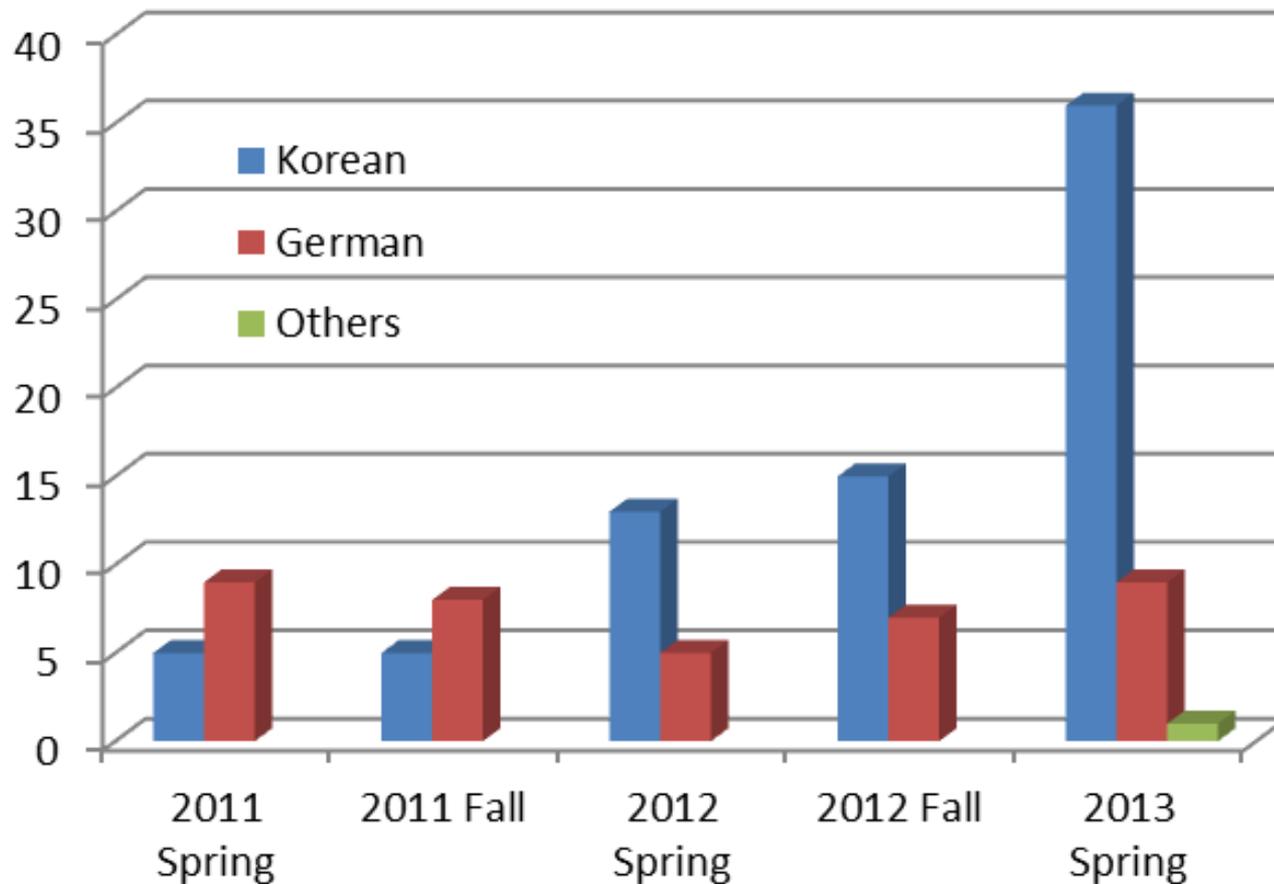


FAU Busan – General Facts (Education)

- Master's degree in Chemical and Bioengineering
- Same coursework as in Germany, German degree
- Integrated teaching structure
- Linked to Korean universities
- Mandatory internship
- Opportunity for study abroad



FAU Busan - Student Development



FAU Busan – Research Projects

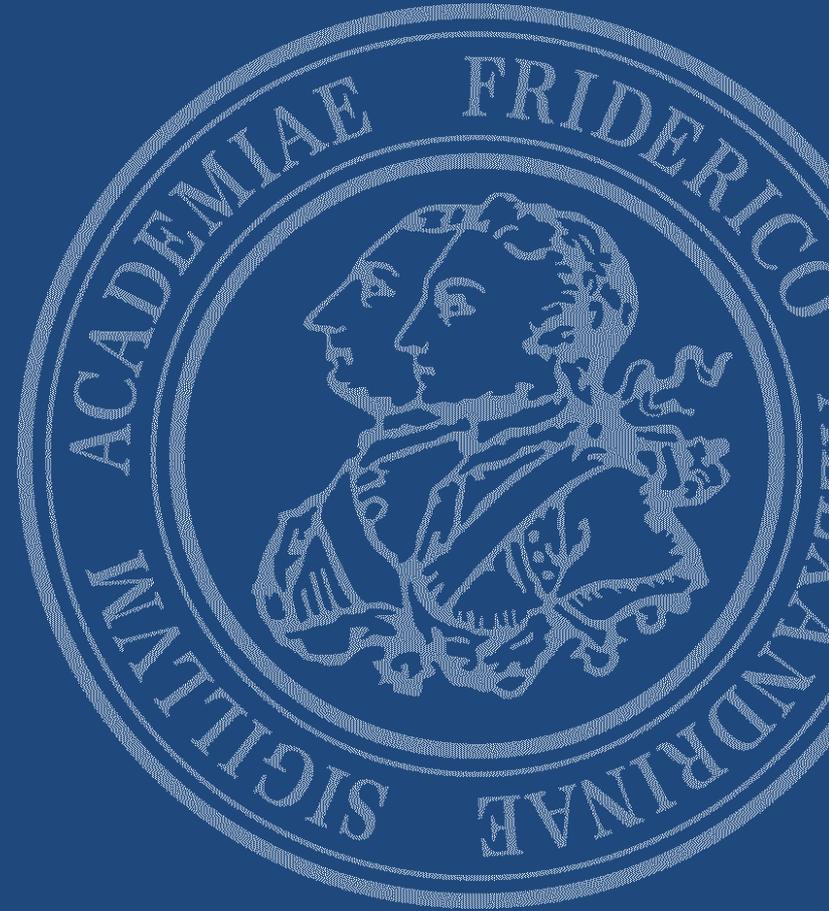
Title	Principal Investigator	Funds	Source
Antivirals from Microalgae	Prof. Dr. Buchholz	1390 m KRW /3 years	KIAT (MKE)
Partial Hydrogenation of Aromatics	Dr. Haumann	330 m KRW/2 years	DFG
KOEI Chemicals	Prof. Dr. Wasserscheid/ Dr. Haumann	315 m KRW/2 years	KOEI
BB21: Graduate School	Dr. Ertunc/Dr. Lindenberger/Mr. Luzi	350 m KRW/5 years	Busan Metropolitan City

FAU Busan – Challenges

- Establishment phase
 - Gaining trust among students and parents
 - Building an academic network, intensifying industry contacts
- Korean expectations: scholarships
- Location factor: Busan vs. Seoul
- Outlook:
 - First graduates in 2013
 - Enabling international careers for students
 - Founding an international network of global professionals



Thank you
for your attention!



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