

# Research and Transfer at the University of Greifswald

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Centre of Research Support and Commercial Services  
& Center of Knowledge Interchange

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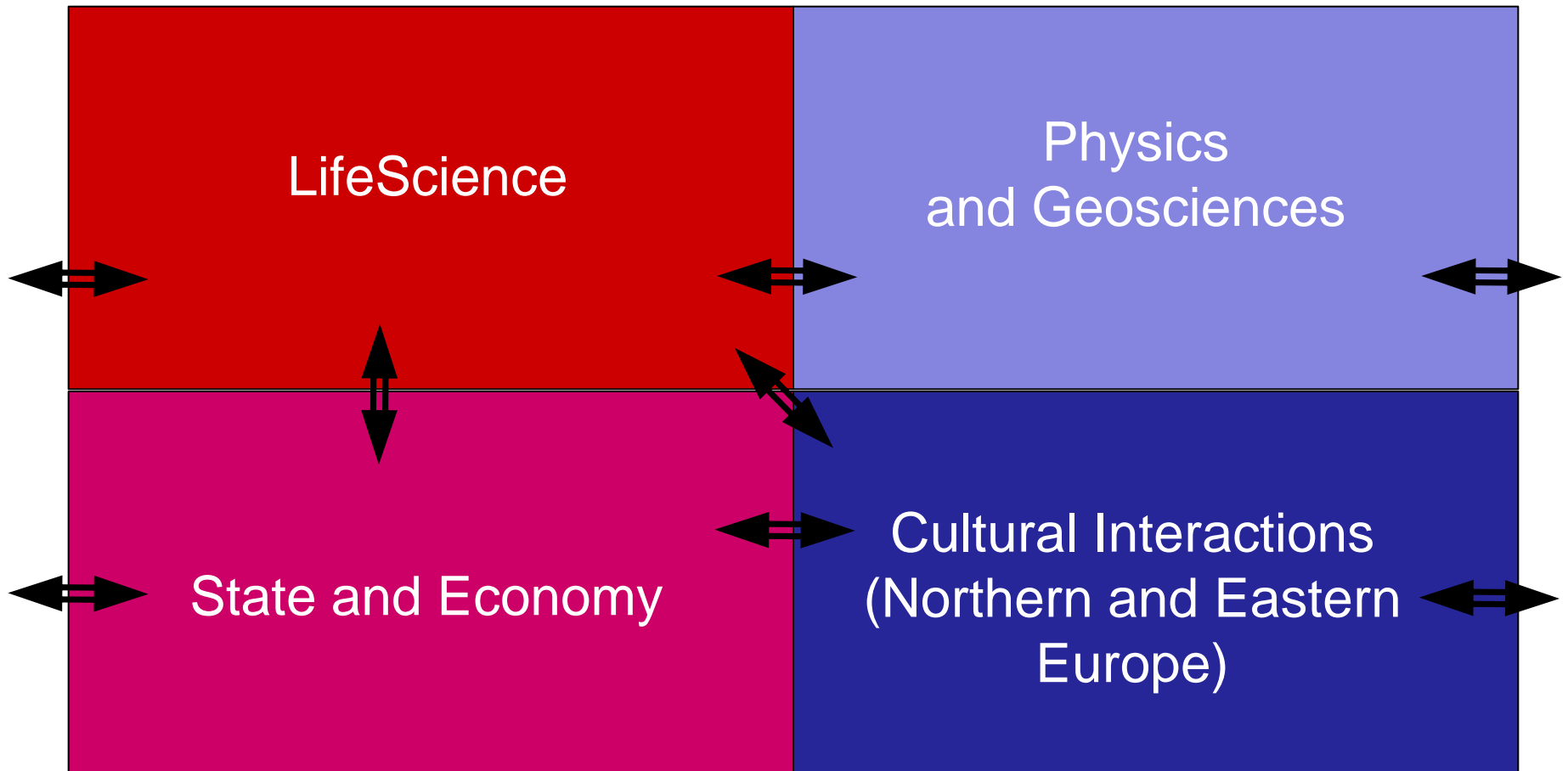
# Facts

- Foundation 1456
- Five Faculties (Theology, Philosophy, Mathematics & The Natural Sciences, Economy & Law, Medicine)
- 23 Teaching Units
- Ca. 12.000 Students, 667 PhD-Students (WS 2009/2010), 196 PhD degrees (2009)
- 90 Mio. € Budget, 31 Mio. € Third Party Funds
- 2.250 Staff, thereof 220 Professors
- Siemens Special-CKI since 2006



# Structural Development

## Core Areas since 2005



# Structural Development



## Research Foci 2009

<p>Molecular Biology and Medicine</p> <p>Community Medicine and Personalized Medicine</p>	<p>Plasma-Physics</p>
	<p>Cultures of the Baltic Sea</p>

# Research and Development

## Fostering R&D

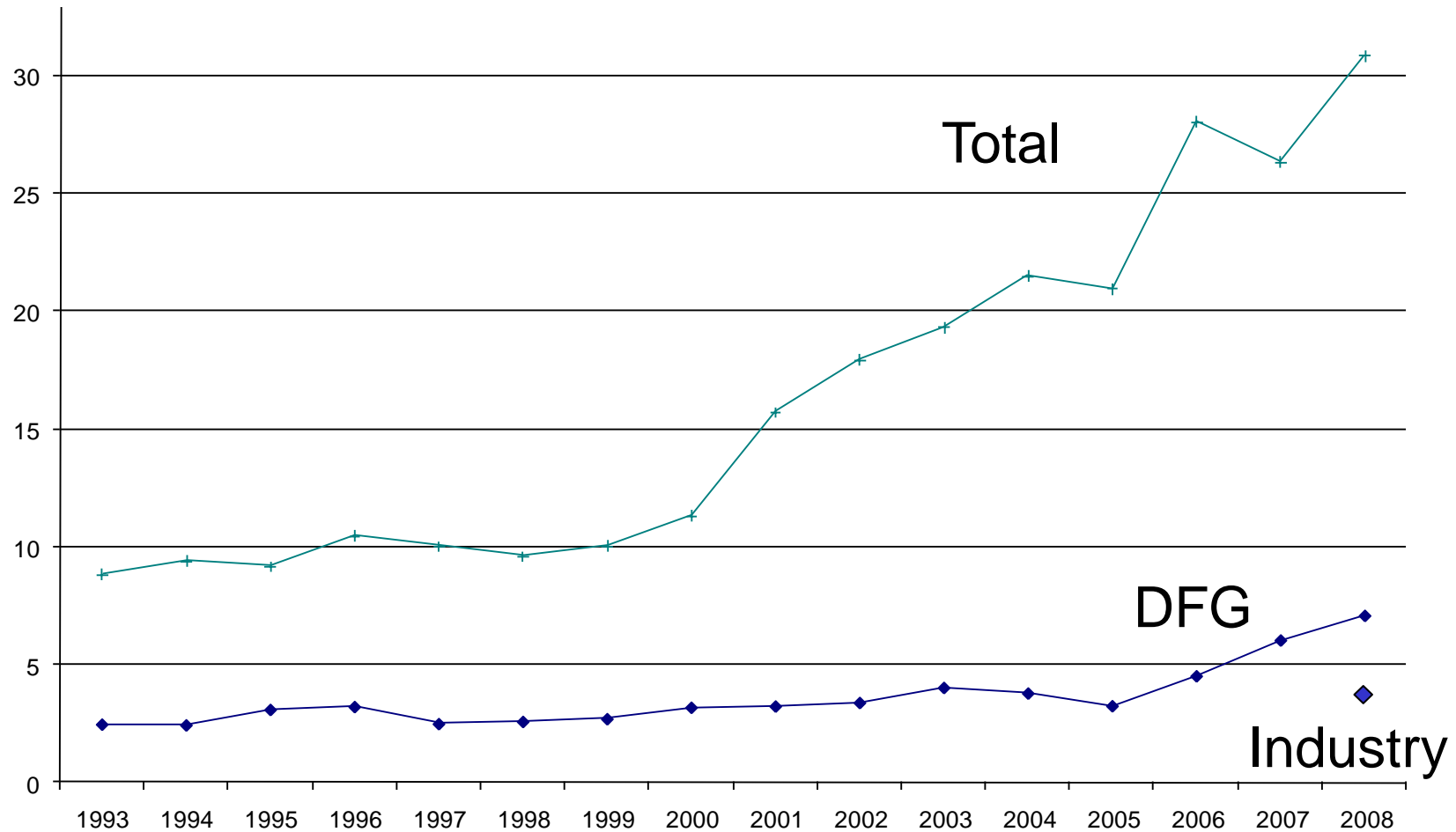
- Successful negotiations with excellent researchers
- Centre for Research Support and Commercial Services (IPR, Contracts, R&D-matching)
- University Contest for the support of third party funds, internationalization, business ideas and promotion of high potential women
- Alfried Krupp Wissenschaftskolleg (Conferences on Medicine and Energy)
- Siemens *Center of Knowledge Interchange* (CKI)
- Industry Academia Liaison Officer (2011)



October 2006



## Third party expenditures [Mio. €]



## DFG Special Research Fields

- **Inflammatory Kardiomyopathie**  
Medicine (Charité + Tübingen)
- **Pathophysiology of straphylococci**  
Mikrobiologiy and Medicine  
(Würzburg and Tübingen)

- **Fundamentals of complex Plasmas**  
(Kiel, INP, MPI)
- **Strong Correlations and Collective Effects in Radiation Fields**  
(Rostock)



## Research Training Groups

- Host-pathogen interactions in generalized bacterial infections (DFG)
- Functional genomics of pathogens (Krupp-Kolleg)

- Bounded Plasmas (International Max Planck Research School)
- Interaction of free radicals with molecules on electrode surfaces (Krupp-Kolleg)

Baltic Borderlands: Shifting Boundaries of Mind and Culture in the Borderlands of the Baltic Sea Region (Greifswald, Lund, Tartu)





## Exemplary Transfer-Projects

- 3 Centres for Innovation Competence
- 2 Projects „Excellence in Research and Innovation“
- Centre of Drug Absorption and Drug Transport
- Personalized Medicine
- Move2Health: Transfer-Structures for the Medical Sector

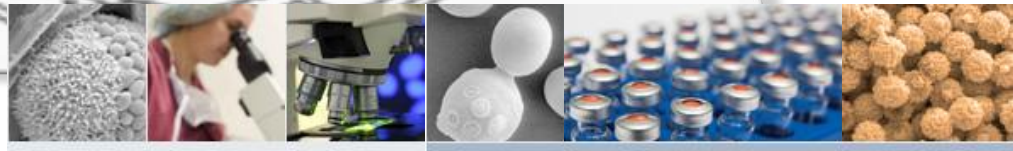
## Centres of Innovation Competence (ZIK)

- FunGene – *Centre for Functional Genomics*:  
Hecker, Schweder (*Microbiology*),  
Völker (*Genetics*), Kroemer (*Pharmacology*)
- HIKE – *Humorale Immunreactions  
in cardiovascular diseases*:  
Greinacher (*Transfusion Medicine*), Felix (*Cariology*), Helm  
(*Physics*), Weitschies (*Pharmacy*)
- PLASMATIS – Interactions between physical plasmas and  
living materia:  
Weltmann (*INP*), Lindequist (*Pharmacy*), Kramer (*Hygiene*)

# The Special-CKI Greifswald

Siemens  
Center of  
Knowledge  
Interchange

Cooperation  
Partner  
Ernst Moritz  
Arndt Universität  
Greifswald



# Expertise for Siemens



## SIEMENS

### Personalized Medicine

„From Mass Testing to the Fate of Individuals“

([www.siemens.com/healthcare-magazine](http://www.siemens.com/healthcare-magazine), May 2008)

Genomics | Metabolomics | Radiology | Community Medicine

Healthcare

### Physics

Plasma  
Signals

### Informatics

System Optimization

Industry

### Nuclear Fusion

Power Generation Magnet Technology

Energy



## The Centre for Research Support & Commercial Services (ZFF), University of Greifswald

### Researchers

- Acquisition of Funding
- Drafting of Contracts
- Project Management
- IPR Realisation and Utilization (together with Patent & Valorisation Agency, Rostock)
- Advancement of Women and young Researchers
- International Contacts
- Research Information System

### Industry

- Arranging Cooperation between Industry and Science
- Siemens Center of Knowledge Interchange
- Marketing

### Entrepreneurs

- Transfer Screening, Scouting and Coaching of Spin offs in Cooperation with the Transferverbund Greifswald

Centre for Research Support &  
Commercial Services (ZFF)

Director

Structural Planning and Development, Administration, Science  
Management, Lobbying

Dr. Stefan  
Seiberling

Early Stage  
Researchers & Gender  
Equality

- Graduate Academy
- Consulting & Coaching
- Mentoringprogramme
- Research Grants
- Advancement of Women
- Platforms (high potential Women & PhD)

Ruth Terodde  
Annette Ehmler  
NN

Projects &  
Management

- Funding search
- Project Akquisition
- International Contacts
- Project Management
- Research Support Agency MV

Maria Moynihan  
Dr. Katrin Röhl

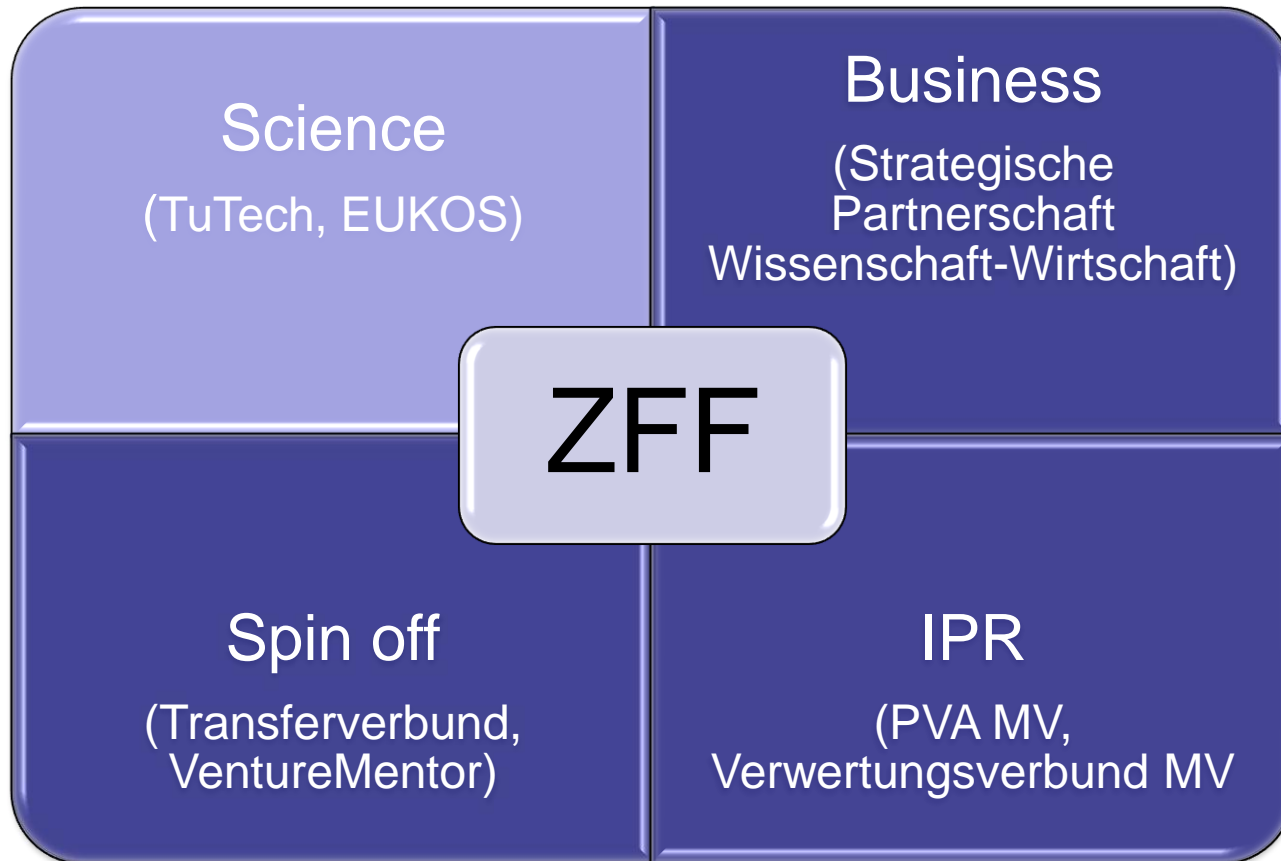
Marketing & Transfer

- Research Marketing
- Valorisation
- Idea Scouting & – Realisation
- IPR
- Contracts
- Research Information System
- Industry-Academia Liaison Officer

Dr. Juliane Huwe  
Dr. des. Ramona Werner  
Jan Schmidt  
NN

Office

NN



# External Competencies – The Transfer-Alliance Greifswald (*Transferverbund Greifswald*)



	Mobilisation		Qualification		Connections		
	Idea Scouting	Idea Development	Training	Consultance	Contacts	Capital	Infrastructure
Zentrum für Forschungsförderung							
Gründerlehre Uni							
FlairPlus							
Forschungsverbund FMV							
Biotechnikum Greifswald BTG							
Technologiezentrum Vorpommern TZV							





**Thank you very much  
for your attention!**