

JLU

NEW PATHS. SINCE 1607.

JUSTUS-LIEBIG-
 UNIVERSITÄT
GIESSEN

Justus Liebig University Giessen

July 2022

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- Data and Profile
- Research
- Teaching
- Transfer
- Strategic Cross-Sectional Tasks

Facts and Figures

- **Founded in 1607** as *Ludoviciana*
- **Currently second largest university in the state of Hessen:**
 - Approx. 27,500 students
 - Approx. 5,700 employees and approx. 5,300 employees at UKGM, Giessen location
 - Approx. 400 professorships
- **JLU leads the way**
 - Justus Liebig and his innovations
 - Development of new fields of research, from Experimental Psychology to Insect Biotechnology
 - Nobel Prize winners (e.g. Wilhelm Conrad Röntgen and Wangari Maathai)



Photo: JLU /Sebastian Ringleb

Self-Image

- **Committed to Justus Liebig's view of science:** Focus on promoting young academics, networking and transfer
- **Support young scientists:** Recruit and promote “excellent minds” through strategic human resource development, active gender equality policy and encouragement of early career researchers
- **Network:** Focus on cooperation and forming associations with strategic partners in the state of Hesse, nationally and internationally
- **Transfer:** Research and teaching with a clear application orientation
- **Regional responsibility:** JLU as a central actor in the university town of Giessen, responsibility for the region and the rural area



Photo: JLU / Sebastian Ringleb

Profile of JLU as a Differentiated Comprehensive University



- Combination of **excellent achievements in research and teaching** with a **clear commitment** of the university **to its social responsibility**
- **Wide spectrum of subjects**
 - Eleven faculties and nine interdisciplinary scientific centres
 - Special importance of teacher training
- Distinct **profile formation in research**: focus areas, areas of potential, accent areas

JLU Campuses

- **Three JLU campuses in the town of Giessen:**
 - Natural and Life Sciences
 - Cultural Studies and Humanities
 - Town centre
- Kerckhoff Campus of JLU and its Faculty of Medicine at Bad Nauheim
- Further locations in Groß-Gerau, Rauischholzhausen and Villmar (JLU's agricultural education and research facilities)



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Research

Research – Profil

Top research in large associations

PARTICIPATING FACULTIES	01	02	03	04	05	06	07	08	09	10	11
Focus areas											
Cardiopulmonary System (heart/lung)								•			•
Mechanisms of Perception and Adaptation						•					•
Areas of potential											
Bioresources (Focus: Insects)								•	•		
Infections and Medicines								•	•	•	•
Smallest Particles							•				
Culture – Conflict – Security (Focus: Eastern Europe)	•		•	•	•						
Material and Energy (Focus: Storage Materials)							•	•			

Research – Profile

Accent areas of the faculties

- Research foci with particular strategic interest
- e.g. 3R-Research, Holocaust & concentration camp literature, migration and human rights, innovative plant production

Interdisciplinary research centres

- Giessen Centre for Eastern European Studies (GiZo)
- Centre for International Development and Environmental Research (ZEU)
- Centre for Materials Science (ZfM)
- Centre for Media and Interactivity (ZMI)
- Interdisciplinary Centre for 3Rs in Animal Research (Icar3R – 3R – Centre JLU Giessen)

Post-graduation education and promotion of early-career researchers

- Four graduate centres: GGS, GGK/GCSC, GGL, GGN (under development)
- Postdoc Career and Mentoring Office (PCMO), regular implementation of tenure-track professorships, expansion Science Support



Photo: JLU / Rolf K. Wegst

Research

- **Third-party funding:** Approx. € 128m p.a. from external funding, LOEWE project funding and other income
- Large-scale **funding:** 12 DFG collaborative research centres (SFB, SFB/TRR; spokespersons and participations), 6 DFG Priority Programmes, 8 (clinical) Research Groups, 6 DFG Graduate Schools
- **Research excellence:** Support from 2006-2019 in both rounds of the Excellence Initiative (GCSC Graduate School and ECCPS Excellence Cluster), most successful university of Hessen with regard to excellence strategy (EXC 2026 Cardio Pulmonary Institute – CPI; participation EXC 2154 Post Lithium Storage – POLiS (UUn+KIT))
- **Further development of top research** in large associations (*The Liebig Concept*)
- **Expand networks** within the **Research Campus of Central Hessen** (FCMH) in the metropolitan region of Rhine/Main and with international partners

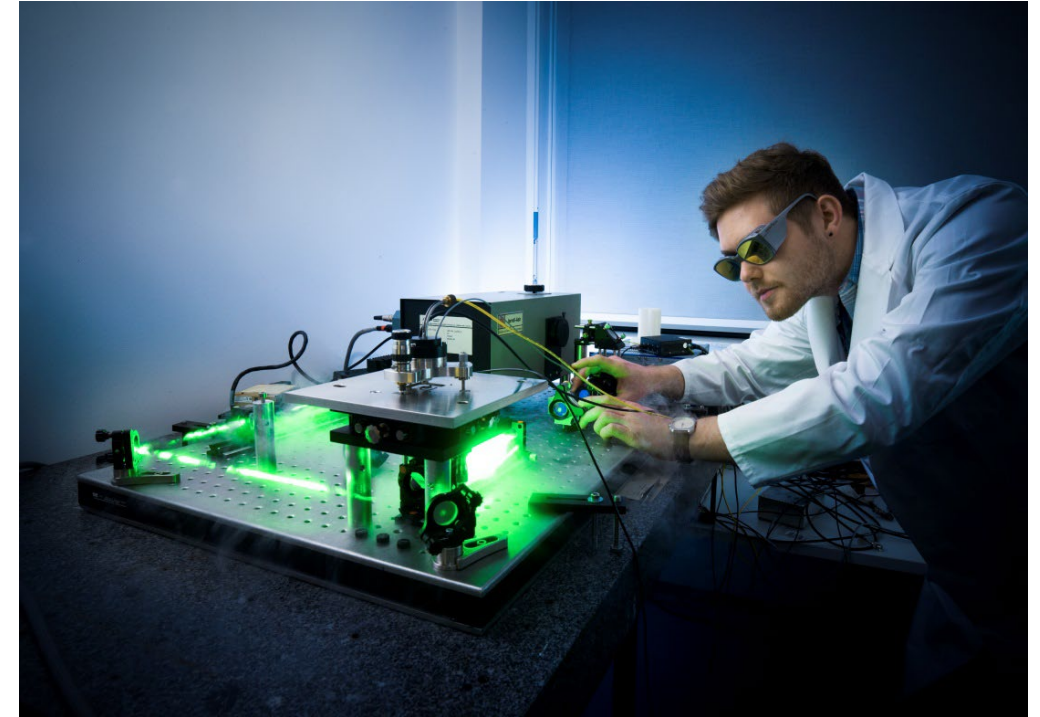


Photo: Jan Michael Hosan / Hessen schafft Wissen

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Teaching

Teaching – Profile

- **A comprehensive university with a broad range of subjects**
 - From classical humanities and social sciences (including law and economics), psychology and sports sciences, natural and life sciences to a particular great variety of subjects in life sciences including human medicine and veterinary science, agricultural, environmental and nutritional sciences, and food chemistry
- **About 100 courses of study**
 - 35 Bachelor's, 51 Master's programmes and 10 programmes leading to state examinations
 - Numerous combined, interdisciplinary and international programmes (e.g. double-degree programmes)
- **Teaching degree programmes** for all school levels and types
 - 25 different teaching subjects
 - Largest scope of teaching degree programmes in Hessen
- Options offered for **academic/scientific further education** (e.g. Master's programmes, certificate courses, workshop offers)

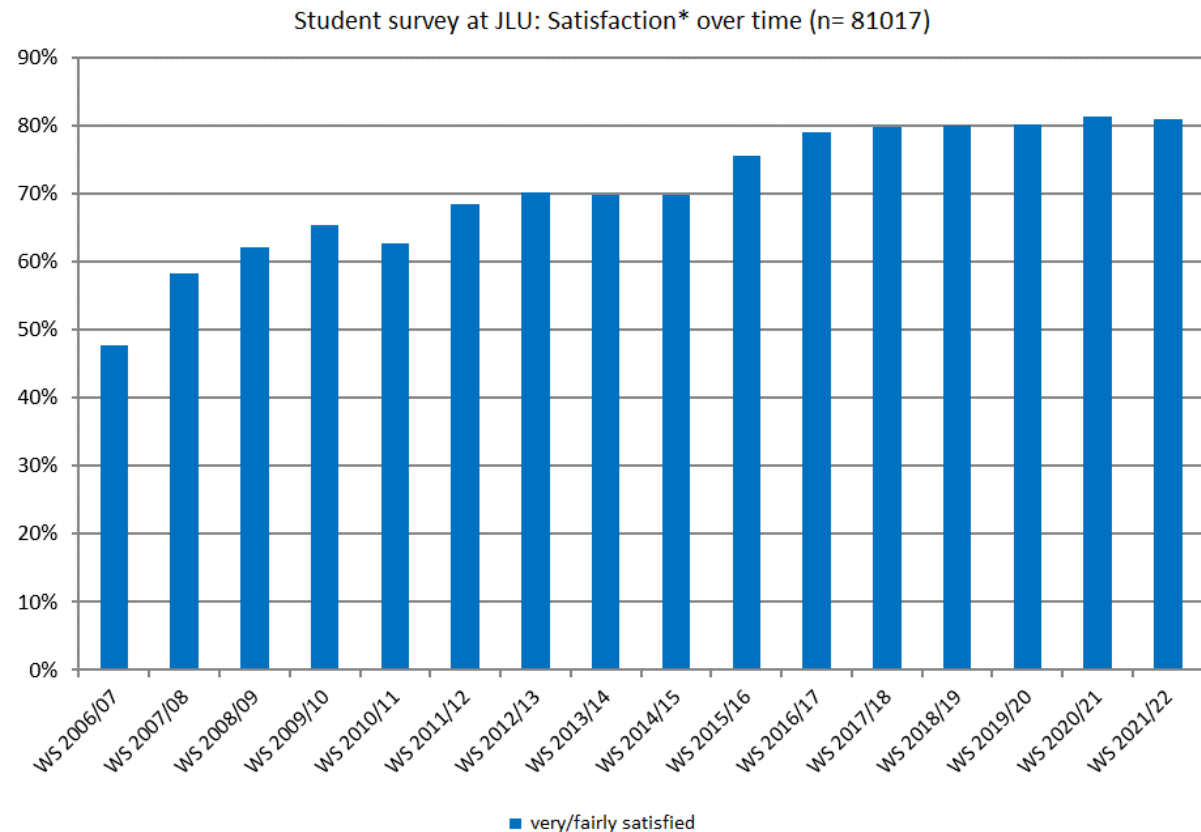


Photo: JLU/ Katharina Friese

Teaching

- **Interdisciplinary centres for study and teaching**
 - Centre for Competence Development (ZfbK)
 - Teacher Training Centre (ZfL)
- **Success in joint programmes of the Federal Government and the Federal States, e.g.**
 - **Giessen Campaign for Teacher Training (GOL)**
 - **Giessen Campaign for Vocational Teacher Training (GOBeL)**
- **Awards for excellence in teaching:** Ars legendi faculty award for excellent university teaching, Hessian Higher Education Prize for Teaching Excellence

- **Student satisfaction: high and continually on the rise**



* The following aspects are taken into account: Entry phase, supervision, number of participants, equipment, service, courses offered.

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Transfer

Transfer and Third Mission

Exchange with

- Transfer as JLU's **Third Mission** (in addition to research and teaching with the following activities:
 - **Communicate** with civil society to bring scientific knowledge and processes to the public
 - **Apply and utilise** research results through patenting (in cooperation with TransMIT company for technology transfer), industrial cooperations and spin-off companies
 - **Advise** actors in politics, business and society



Inauguration of the Giessen pot whale(Foto: JLU / Rolf K. Wegst)

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Strategic Cross-Sectional Tasks

Human Resources Development

- **“Qualify – inspire – make available”**. Concept of human resources development for all groups of employees, with a special focus on supporting young researchers
- **Foci**
 - Implement **tenure-track professorships** as a regular procedure (quota 20-30 %)
 - Innovative categories of staff for planning career paths other than professorships, e.g. **research group leaders**
 - Opportunities for career development through the **Postdoc Career and Mentoring Office (PCMO)**
 - Opportunities for systematic development for administrative, technical and managerial staff (such as specific certificates und follow-up programmes)



Informationmarket at the PCMO (Foto: JLU/Katrina Friese)

Gender Equality

- **Gender Equality Concept 2.0 (2017-2023)** “Anti-discrimination and equal opportunities, advancement of women and family-friendliness”
- **Success of gender equality policy at JLU**
 - In top-ranking group (“Stage 4”) to implement **Research-oriented standards on gender equality** set by the German Research Foundation (DFG)
 - **Largest proportion of women students** at a comprehensive university in Germany (64%)
 - **Above-average proportion of women scientists** below the professorial level (49%)
 - **Above-average proportion of women professors** (2020: 34 %)
 - Promotion of Women Professors Programme I-III (2008, 2013 and 2018)
 - Permanent certification in the “**family-friendly university audit**”
 - **Resource pool** for family-friendliness and equal opportunities (500.000€ p.a.)

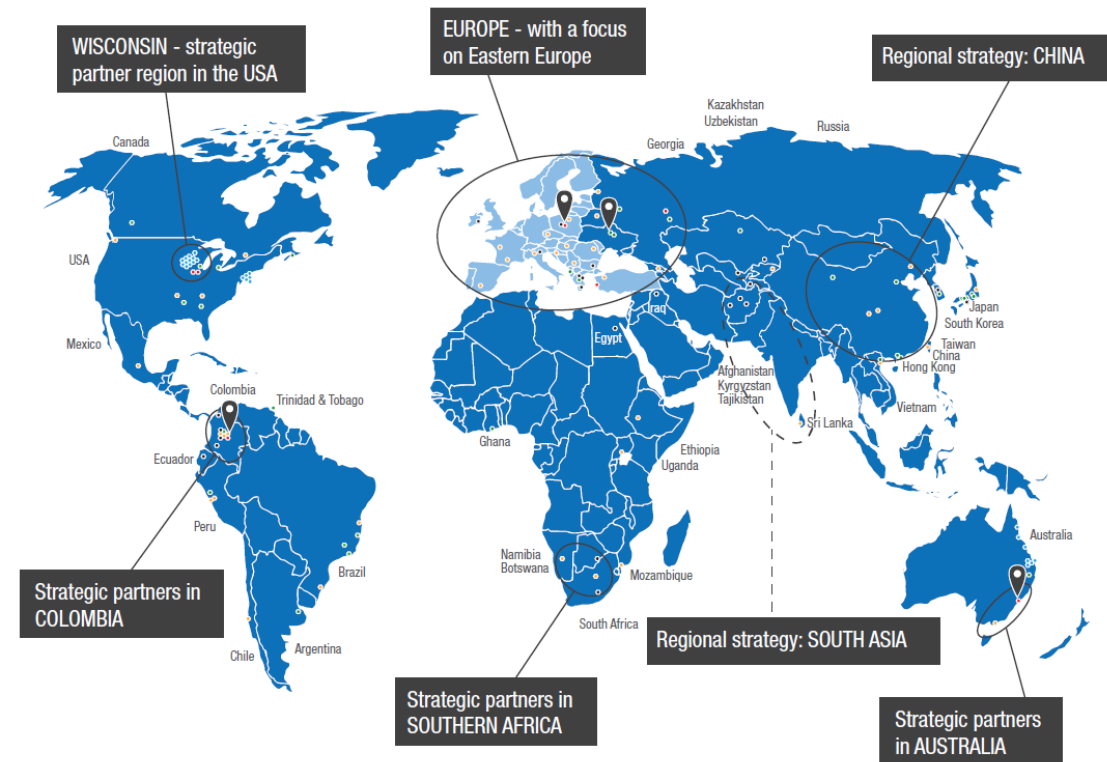


Photo: JLU / Lisa Dittrich

Internationalisation: Strategic Partner Regions

- **Internationalisation strategy: “Progress through Internationalisation – JLU International 2016-2026”**
- **Dimensions:** Internationalisation on a broad scale and at top level
- International network with seven **strategic partner regions**
- Approx. 11% international students and almost 40% enrolled international doctoral students
- Over 100 partnerships, cooperations and exchange agreements worldwide
- **Four “Information Points”** in Australia, Colombia, Poland and Ukraine

International Network with Institutional Partners in Strategic Partner Regions of Justus Liebig University Giessen



JLU Information Points

UNIVERSITY OF LODZ NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY Universidad de los Andes MACQUARIE UNIVERSITY	Poland Ukraine Colombia Australia	<ul style="list-style-type: none"> ● Hessian state-to-state cooperationsn ● Partnership agreements ● Cooperation agreements ● Exchange agreements ● Other agreements
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Internationalisierung

JLU international & digital

- **Virtual International Programme (VIP)** with 800 – 900 international students p.a. , <https://www.jlu-digitalcampus.de/vip>
- **Digital international course of study** "M.Sc. Sustainable Transition", DAAD IP Digital funding: www.uni-giessen.de/st
- **Virtual teaching cooperations within our international network**, DAAD IVAC funding: www.uni-giessen.de/ivct
- **Digital Campus:** Platform for digital international offers, <https://www.jlu-digitalcampus.de>



Digitalisation

- **Digitalisation as a strategic process**

Systematic use of digitalisation as a method and object in all areas of the university and strengthening of IT governance and security for the university as a whole

- **Research:** Strengthen JLU's research profile in its focus and potential areas through e.g. innovative approaches in the management of research data
- **Teaching:** Develop offers in online and blended learning, transfer digital skills, optimise structures in student administration
- **Transfer:** Develop digital formats in scientific communication

- **Digitalisation strategy** (available soon)



Digitale Lehre in der Chemie (Foto: Heiko Barth / Institute of Chemistry Education)

Sustainability

- **Sustainability as a strategic process**
 - Identify, visualise and cluster **sustainability foci** in **research, teaching** and **transfer** (e.g. nutritional, agricultural and environmental sciences, energy storage systems, peace and conflict research) which include sustainability aspects in JLU's **administration** and **infrastructure**
 - Derivation of institutional goals and measures to promote **institutional and individual sustainable action** across the university
 - **Participatory process** of all relevant status and interest groups
- **Goals:**
 - Establishment of **sustainability strategy** with JLU specific focus areas in all dimensions of performance (until 2022)
- Implementation of **sustainability projects**



Study and research unit Gladbacherhof: Experimental cultivation of legumes. Foto: Marzena Seidel / FiBL

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Thank you for your attention!