

ANNUAL REPORT

JACKSTÄDT CENTER

2022



 **jackstädt center**
of entrepreneurship and
innovation research



**BERGISCHE
UNIVERSITÄT
WUPPERTAL**

EXECUTIVE REPORT

Dear Readers,

The year 2022 can be characterized as a transitional year, moving from pandemic-induced home office operations back to on-site presence at the University of Wuppertal. In this regard, it was heartening to see that we could largely resume our teaching, research, and transfer activities on-site. After all, personal contact cannot be permanently replaced by screen-based exchanges. This annual report reveals that our Jackstädt Center for Entrepreneurship and Innovation Research also achieved significant successes in 2022, both in research and in teaching and transfer activities.

One example is the research project on scaling social innovations, which was funded by the BMBF within the framework of the Trans-Atlantic Platform (TAP) program. Started at the end of 2020, the project successfully continued in 2022 in collaboration with partners from the University of Groningen (Netherlands), Queen's University (Canada), and Oxfam (United Kingdom). Social innovations contribute to solving fundamental social and ecological problems, but they are often deeply rooted in the local or regional environment in which they were developed. The question of scalability of social innovations is an exciting field of research that our international research team will continue to work on until the summer of 2023. Research results have already been presented at several conferences and symposia, with the goal of publishing the final contributions in prestigious journals.

In 2021, looking at expanding our Center's research community, we began to include Research Fellows who are connected to us and our research and transfer activities. These primarily include alumni from the Jackstädt Center, as well as national and international network partners. We are pleased to intensify the exchange with some researchers in this way. We also aim to offer the Research Fellows the opportunity to present themselves and their research in the 2022 annual report. Vivien Procher, Professor of Entrepreneurship and Innovative Business Models at the University of Marburg, introduces her research and her involvement in the Marburg Startup Center. Philip Steinberg, Professor of Strategy and Innovation at the University of Groningen (Netherlands) provides an insight into his research. Both Research Fellows have close ties to the Jackstädt Center.

A special mention goes to the fact that four of the former employees of the Jackstädt Center are working as professors at universities. In this context, we are pleased for Christian Rupietta, who accepted a call to Queen's University Belfast in Northern Ireland at the end of 2022, but we regret his departure. Christian Rupietta is a valued researcher and colleague who has made a valuable contribution to the development and research of the Jackstädt Center. We thank him for his excellent work and look forward to maintaining our connection.

In addition to research, the Jackstädt Center is also involved in the knowledge transfer and startup activities of the University, as well as in the interaction with regional stakeholders. In this context, our innovation lab, Freiraum, which opened in 2018 at the University of Wuppertal, provides a creative space for founders and students and serves as a place for knowledge generation and exchange. In this regard, our thanks, in 2022 as well, are particularly directed towards the Dorothee Hanneschläger Foundation Fund, whose long-term financial support made the establishment and development of the Start-up Center possible.

A noteworthy ongoing project in the Start-up Center is the "EXIST Potentials" project of the Federal Ministry for Economic Affairs and Climate Action. In 2022, we were again able to hold successful events for students and practice partners. The Start-up Day and the Sustainable Start-up Day are exemplary mentions here. The Women Entrepreneurs in Science (WES) project team aims to promote female founders at universities across North Rhine-Westphalia. The statewide initiative can look back in 2022 on a successfully established mentoring program and the Female Founders SUMMIT at the University of Wuppertal. The WES project was established in 2020 as part of the "Excellence Start-up Center.NRW" initiative of the state of North Rhine-Westphalia and is currently being funded by its Ministry of Economic Affairs, Industry, Climate Action and Energy.

Last but not least, we would like to extend our deepest gratitude to the advisory board members of the Jackstädt Center and the Dr. Werner Jackstädt Foundation, without whose exceptional support our successful research and knowledge transfer would not be possible.

We are very pleased to present this annual report to you and wish you an engaging read.

Yours sincerely,



Prof. Dr. Christine K. Volkmann
Chairwoman of the Board of the Jackstädt Center
of Entrepreneurship and Innovation Research —

MISSION AND VISION

The goal of the Jackstädt Center of Entrepreneurship and Innovation Research is to conduct excellent interdisciplinary research in the areas of entrepreneurship and innovation at an international level. An important aim is to foster and accompany the transfer of relevant practical questions into business- and economics-related research. Both priorities will help the Jackstädt Center to become regionally embedded and internationally visible.

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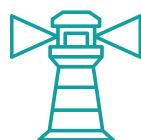
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Event location, lecture halls, a café and more: this is the building K of the University of Wuppertal. Here, the Sustainable Start-up Days and the Women Entrepreneurs SUMMIT took place in 2022, amongst other events. (Photo: Bergische Universität Wuppertal)



The stairwell of building V/W (Foto: Ralf Baumgarten/Bergische Universität Wuppertal)

TEAM

The Jackstädt Center is led by an executive committee who, together with a team of assistant professors, research associates, doctoral students, and student assistants, is engaged in numerous research and transfer projects.

With their individual fields of research and experience, each team member contributes to the center's interdisciplinary research character.

In particular, the combination of different approaches, theories, and methods enables us to explore new perspectives when addressing open questions in entrepreneurship and innovation research.

An advisory board complements the Jackstädt Center.

ADVISORY BOARD

The development of the Jackstädt Center is overseen by an advisory board. The advisory board is composed of representatives from science and practice:

Prof. Dr. h.c. mult. David B. Audretsch

Distinguished Professor, Ameritech Chair of Economic Development at the School of Public and Environmental Affairs and director of the Institute for Development Strategies at Indiana University, Bloomington, USA



Markus von Blomberg

Managing Partner of the Mello GmbH, member of multiple advisory boards, founder and fund manager



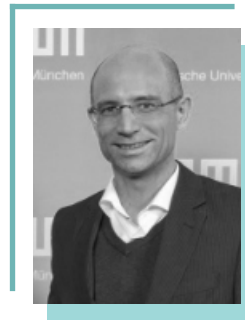
Dr. Marc Kanzler

Board member of the Dr. Werner Jackstädt Center Foundation



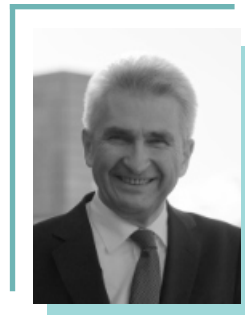
Prof. Dr. Dr. Holger Patzelt

Chair of Entrepreneurship at the Technical University of Munich



Prof. Dr. Andreas Pinkwart

Chair of Innovation and Technology Management at the Technische Universität Dresden. Former Minister for Economic Affairs, Innovation, Digitalisation and Energy of the State of North Rhine-Westphalia



Prof. Dr. Dr. h.c. Christoph M. Schmidt

President of the RWI Essen, Chair of Economic Policy and Applied Econometrics at Ruhr-University Bochum. Former chairman of the German Council of Economic Experts



EXECUTIVE COMMITTEE

Prof. Dr. Christine Volkmann

Chairwoman of the Jackstädt Center
University of Wuppertal

Schumpeter School of Business and Economics
UNESCO-Chair of Entrepreneurship and
Intercultural Management



Prof. Dr. Werner Bönte

Deputy Chairman of the Jackstädt Center
University of Wuppertal

Schumpeter School of Business and Economics
Chair of Industrial Organization and Innovation



Prof. Dr. Michael Fallgatter

Director of the Jackstädt Center
University of Wuppertal

Schumpeter School of Business and Economics
Chair of Human Resource Management and
Organisation



Prof. Dr. Peter Witt

Director of the Jackstädt Center
University of Wuppertal

Schumpeter School of Business and Economics
Chair of Technology and Innovation
Management



ASSISTANT PROFESSOR

Prof. Dr. Christian Rupietta

At the Jackstädt Center from 2016 to 2022

Assistant Professor for Business Administration and Innovation

Current research topics:
Innovation and economics of education
Organizational innovation
Set-theoretic methods



RESEARCH ASSOCIATES

Jana Coenen, M.Sc.

At the Jackstädt Center since July 2020

Research topics:
Social Innovation
Organizational Learning



Markus Thomanek, M.Sc.

At the Jackstädt Center since September 2020

Research topics:
Sustainable Supply Chain Management
Artificial Intelligence
Platforms



STIPENDIARIES

Julian Lauten-Weiss, M.Sc.

At the Jackstädt Center since December 2021

Research Topics:
Circular Economy
Sustainable Business Models



Philipp Pasing, M.Sc.

At the Jackstädt Center since December 2021

Research Topics:
Social Entrepreneurship
Sustainable Entrepreneurship



STUDENT ASSISTANTS

Julia Burgart, B.Sc.

At the Jackstädt Center from 2019 to 2022

Course of studies: Entrepreneurship and
Innovation (M.Sc.)



Emilia Lenart

At the Jackstädt Center since September 2022

Course of studies: Business and Economics
(B.Sc.)



RESEARCH

The research activities of the Jackstädt Center can be divided into five principal areas, each presented in the following section.

1. ENTREPRENEURS' PSYCHOLOGY AND DECISION MAKING

We investigate whether entrepreneurs differ from others – either because people with specific personality traits follow such careers or because they develop this mindset through their experiences. We analyze personality traits, patterns of perception and decision-making, as well as the learning, group, and social behavior of entrepreneurs, self-employed, and innovative people, traditionally oriented business people, as well as bankers, managers, social activists, and founders with a strong profit orientation or those with a substantial social motivation. An important question is which of these characteristics makes it more difficult or seemingly easier for a person to become a successful entrepreneur.

SELECTED PUBLICATIONS AND WORK IN PROGRESS

Urbig, D., Bönte, W., Schmutzler, J., Curcio, A. F. Z., & Andonova, V. (2021). Diverging associations of dimensions of competitiveness with gender and personality. *Personality and Individual Differences*, 176, Art. 110775. <https://doi.org/10.1016/j.paid.2021.110775>

Bönte, W., Procher, V. D., & Urbig, D. (2016). Biology and Selection into Entrepreneurship – The Relevance of Prenatal Testosterone Exposure. *Entrepreneurship Theory and Practice*, 40(5), 1121–1148. <https://doi.org/10.1111/etap.12165>

Bönte, W., Procher, V. D., Urbig, D., & Voracek, M. (2017). Digit Ratio (2D:4D) Predicts Self-Reported Measures of General Competitiveness, but Not Behavior in Economic Experiments. *Frontiers in Behavioral Neuroscience*, 11. <https://doi.org/10.3389/fnbeh.2017.00238>

Geenen, N. Y., Urbig, D., Muehlfeld, K., van Witteloostuijn, A., & Gargalianou, V. (2016). BIS and BAS: Biobehaviorally rooted drivers of entrepreneurial intent. *Personality and Individual Differences*, 95, 204–213. <https://doi.org/10.1016/j.paid.2016.02.023>

Muehlfeld, K., Urbig, D., & Weitzel, U. (2017). Entrepreneurs' Exploratory Perseverance in Learning Settings. *Entrepreneurship Theory and Practice*, 41(4), 533–565. <https://doi.org/10.1111/etp.12224>

Schulz, M., Urbig, D., & Procher, V. (2017). The role of hybrid entrepreneurship in explaining multiple job holders' earnings structure. *Journal of Business Venturing Insights*, 7, 9–14. <https://doi.org/10.1016/j.jbvi.2016.12.002>

Urbig, D., Bönte, W., Procher, V. D., & Lombardo, S. (2020). Entrepreneurs embrace competition: Evidence from a lab-in-the-field study. *Small Business Economics*, 55(1), 193–214. <https://doi.org/10.1007/s11187-019-00141-0>

2. INTERNATIONALIZATION OF COMPANIES AND BUSINESS PROCESSES

Corporate change in our modern, global environment is frequently embedded in an international context. Internationalization includes not only the expansion but also the shifting and repositioning of business processes. In a current research project, we investigate the link between investments and divestment of companies.

Moreover, in international contexts, managers and employees often communicate and make decisions in a foreign language instead of their mother tongue. Thus, members of the Jackstädt Center together with national and international partners are investigating how people behave in foreign language contexts in several joint research studies. An important finding is that changing the language causally affects cooperation behavior along two paths. On the one hand, a foreign language generates a subjectively felt and possibly real lack of comprehension, which subsequently affects both decision-making and behavior. On the other hand, languages establish a certain cultural background and, thus, may indirectly influence a person's relevant values and norms.

In another project, members of the Jackstädt Center are working on the effects of terrorist attacks on the export performance of companies in developing countries. In 2018, we conducted three surveys in Germany and Pakistan that provided further insights into how companies deal with the threat of terrorism. We are currently working on papers using this new data source. Over the last years, we presented these working papers at international conferences, such as the annual meetings of the Academy of International Business, the Academy of Management and European International Business Academy. We are continuing to develop the papers further for submission to international journals.

SELECTED PUBLICATIONS AND WORK IN PROGRESS

Gargalianou, V., Urbig, D., & Van Witteloostuijn, A. (2017). Cooperating or competing in three languages: Cultural accommodation or alienation? *Cross Cultural & Strategic Management*, 24(1), 167-191. <https://doi.org/10.1108/CCSM-01-2016-0008>

Malik, F. S. (2019). Exploring the Effects of Terrorism on Business Operations Firms in Pakistan and Firms' Response. *Academy of Management Proceedings*, 2019(1), 19620. <https://doi.org/10.5465/AMBPP.2019.19620abstract>

Malik, F. S. (2021). Terrorism, Corporate Performance and Business Strategies: Presence, Impact, and Future (Dissertation, University of Wuppertal).

Bönte, W., Procher, V. D., & Malik, F. (2017). The impact of terrorist attacks on the export performance of firms in emerging economies – Empirical evidence from Pakistan (Working Paper, University of Wuppertal).

Procher, V. D., & Engel, D. (2018). The investment-divestment relationship: Resource shifts and intersubsidiary competition within MNEs. *International Business Review*, 27(3), 528–542. <https://doi.org/10.1016/j.ibusrev.2017.10.004>

Rupietta, C., Bönte, W., Procher, V., & Malik, F. (2019). Which Management Practices Do Exporting Firms in Pakistan Apply to Deal with the Threats of Terrorism? (Working Paper, University of Wuppertal).

Urbig, D., Terjesen, S., Procher, V., Muehlfeld, K., & Van Witteloostuijn, A. (2016). Come on and take a free ride: Contributing to public goods in native and foreign language settings. *Academy of Management Learning & Education*, 15(2), 268–286. <https://doi.org/10.5465/amle.2014.0338> —

3. VOCATIONAL EDUCATION AND INNOVATION

The impact of vocational education on firms' innovation capability is a controversial topic in the scientific literature. Various studies describe vocational education as firm-specific and strongly focused on established technologies. Thus, researchers typically do not expect vocational education to positively impact innovation. These studies see vocational education as an obstacle to developing new and improved products and processes. However, certain kinds of vocational education, for example, vocational education and training (VET) in Germany and Switzerland, cover general knowledge and regularly include new technologies. This type of vocational education supports the generation of innovation in firms.

The focal points of this research include the analysis of vocational education systems, in general, and the analysis of firms as providers of vocational education, in particular. Thereby the focus is on the inclusion of vocational education in the innovation processes of firms.

SELECTED PUBLICATIONS AND WORK IN PROGRESS:

Backes-Gellner, U., Rupietta, C., & Sartore, S. N. T. (2017). Reverse educational spillovers at the firm level. *Evidence-based HRM*, 5(1), 80-106. <https://doi.org/10.1108/EBHRM-03-2015-0007>

Backes-Gellner, U., Rupietta, C., & Tuor Sartore, N. (2020). University Graduates Profit from Working Together with VET Graduates. In Backes-Gellner, U., Renold, U., Wolter, S. (Eds.), *Economics and Governance of Vocational and Professional Education and Training (including Apprenticeship)* (pp. 232–234). hep Verlag.

Rupietta, C., & Backes-Gellner, U. (2020). How Firms' Participation in Apprenticeship Training Contributes to Innovation. In Backes-Gellner, U., Renold, U., Wolter, S. (Eds.), *Economics and Governance of Vocational and Professional Education and Training (including Apprenticeship)* (pp. 280–282). hep Verlag.

Rupietta, C., & Backes-Gellner, U. (2019). Combining knowledge stock and knowledge flow to generate superior incremental innovation performance—Evidence from Swiss manufacturing. *Journal of Business Research*, 94, 209–222. <https://doi.org/10.1016/j.jbusres.2017.04.003>

Rupietta, C., & Backes-Gellner, U. (2019). How firms' participation in apprenticeship training fosters knowledge diffusion and innovation. *Journal of Business Economics*, 89(5), 569–597. <https://doi.org/10.1007/s11573-018-0924-6>

Rupietta, C., Meuer, J., & Backes-Gellner, U. (2021). How do apprentices moderate the influence of organizational innovation on the technological innovation process? *Empirical Research in Vocational Education and Training*, 13(1). <https://doi.org/10.1186/s40461-020-00107-7>

4. INNOVATION STRATEGIES AND INNOVATION MANAGEMENT PRACTICES

This research area includes projects that deal with the influence of innovation management practices on the innovative behavior of employees and the company's ability to innovate. One example of such a practice, commonly used by companies is an innovation contest. In these contests, employees lead an innovation project for a short period of time. This research project analyzes which types of motivation are conducive to employees' participation in innovation competitions and thus contributes to explaining the persistent, innovative behavior of employees. Researchers presented the initial results at several international conferences. A manuscript for submission to a renowned international journal is currently under preparation.

Further early-stage projects are currently in development, such as a project that analyzes innovation management practices in Colombia. This project receives financial support from the German Academic Exchange Service (DAAD). During a research stay in Colombia in 2019, Prof. Bönnte and Prof. Rupiotta collaborated with their colleagues from the Universidad del Norte on the design of the interview guides and questionnaires for data collection.

This project area involves project partners from science and practice. We are collaborating with partners from the University of Zurich and the Universidad del Norte in Colombia.

SELECTED PUBLICATIONS AND WORK IN PROGRESS

Schulze, A., & Rupiotta, C. (2021). What motivates employees to engage in entrepreneurial behavior? A set theoretic approach. (Working Paper, University of Zurich).—

5. SOCIAL INNOVATION

Since 2020, the research on Social Innovation complements the other research areas of the Jackstädt Center and is currently under development. Social innovations intend to solve fundamental social and ecological problems. Different partners with strong local or regional roots often develop and share social innovations. The subject of this research project is how such ideas and their effects can be successfully disseminated and thus benefit many people.

The research project is part of a joint international project involving the University of Groningen (Netherlands), Queen's University (Canada), University of Wuppertal and Oxfam (UK). The funding was obtained within the framework of the call for proposals on Social Innovation of the *Trans-Atlantic Platform*. The project team at the Jackstädt Center receives funding from the German Federal Ministry of Education and Research (BMBF) for this research project for three years.

After the successful start in September 2020, the project's researchers presented first insights at international conferences in 2021 and 2022 and are preparing them for submission to academic journals. More information on the content of the project can be found in section 03, page 33 and section 05, page 46.

SELECTED PUBLICATIONS AND WORK IN PROGRESS

Coenen, J., Mitzinneck, B. C., Noseleit, F., & Rupietta, C. (2022). Impact Creation through Community-Based Enterprise: A Configurational Analysis of Enabling Conditions. (Working Paper, University of Wuppertal).

Thomanek, M. (2022). The role of platforms in Multi-Tier Sustainable Supply Chain Management and its effect on visibility. (Working Paper, University of Wuppertal). ■

PUBLICATIONS

FORTHCOMING AND PUBLISHED IN 2022

Betzer, A., van den Bongard, I., Schweder, F., Theissen, E., & Volkmann, C. (2022). All is not lost that is delayed: Overconfidence and investment outcomes. *Review of Managerial Science*. <https://doi.org/10.1007/s11846-022-00578-w>

Hennig, J. C., Oehmichen, J., Steinberg, P. J., & Heigermoser, J. (2022). Determinants of common ownership: Exploring an information-based and a competition-based perspective in a global context. *Journal of Business Research*, 144, 690–702. <https://doi.org/10.1016/j.jbusres.2022.02.019>

Kleinert, S., Bafera, J., Urbig, D., & Volkmann, C. K. (2022). Access Denied: How Equity Crowdfunding Platforms Use Quality Signals to Select New Ventures. *Entrepreneurship Theory and Practice*, 46(6), 1626–1657. <https://doi.org/10.1177/10422587211011945>

Krebs, K., Volkmann, C., & Grünhagen, M. (2023). Cultivating the Impact of Sustainable Entrepreneurship: A Discussion of Upscaling Approaches in Entrepreneurial Ecosystems. In R. Adams, D. Grichnik, A. Pundziene, & C. Volkmann (Eds.), *Artificiality and Sustainability in Entrepreneurship: Exploring the Unforeseen, and Paving the Way to a Sustainable Future* (pp. 241–264). Springer International Publishing. https://doi.org/10.1007/978-3-031-11371-0_11

Piotrowski, A., Coenen, J., Karbach, U., Muth, C., Rupietta, C., Söling, S., Zimmer, V., & Köberlein-Neu, J. (2022). What drives successful implementation in primary care practices: A fuzzy-set Qualitative Comparative Analysis. (Working Paper, University of Wuppertal).

Schiffer, K. J., & Witt, P. (2022). Risikomanagement und Rationalität. *Zeitschrift für Risikomanagement*, 6, 167–175. <https://doi.org/10.37307/j.2701-7605.2022.06.07>

Steinberg, P. J., Asad, S., & Lijzenga, G. (2022). Narcissistic CEOs' dilemma: The trade-off between exploration and exploitation and the moderating role of performance feedback. *Journal of Product Innovation Management*, 39(6), 773–796. <https://doi.org/10.1111/jpim.12644>

Steinberg, P. J., Hennig, J. C., Oehmichen, J., & Heigermoser, J. (2022). How the country context shapes firms' competitive repertoire complexity. *Global Strategy Journal*, 1-29. <https://doi.org/10.1002/gsj.1458>

Urbig, D., Procher, V. D., Steinberg, P. J., & Volkmann, C. (2022). The role of firm-level and country-level antecedents in explaining emerging versus advanced economy multinationals' R&D internationalization strategies. *International Business Review*, 31(3). <https://doi.org/10.1016/j.ibusrev.2021.101954>

Volkmann, C. K., & Grünhagen, M. (2022). The COVID-19 Pandemic as a Catalyst for Digital Entrepreneurship Education: Reflections on a Rapid Transformation of an Educational Ecosystem. In Audretsch, D. B., Kunadt, I. A. M. (Eds.), *The COVID-19 Crisis and Entrepreneurship* (S. 253–273). Springer.

Wyrwich, M., Steinberg, P. J., Noseleit, F., & de Faria, P.M.M. (2022). Is open innovation imprinted on new ventures? The cooperation-inhibiting legacy of authoritarian regimes. *Research Policy*, 51(1), Art. 104409. <https://doi.org/10.1016/j.respol.2021.104409>

CONFERENCE PROCEEDINGS

Mochkabadi, K., Kleinert, S., Urbig, D., & Volkmann, C. K. (2022). Turning Extreme Distinctiveness Into An Asset? How Radically Innovative Ventures Can Achieve Optimal Distinctiveness In Early-stage Funding Contexts. *Frontiers of Entrepreneurship Research BCERC Proceedings, USA*.

Bafera, J., Kleinert, S., Günther, C., & Volkmann, C. K. (2022). Attracting Business Angels: Does Signaling Sustainability Pay Off for Commercial New Ventures? *Frontiers of Entrepreneurship Research BCERC Proceedings, USA*. —

PRESENTATIONS 2022

Thomanek, M. (March 8-11, 2022). Decreasing information asymmetries between firms and in consumer communication with blockchains - Supporting the emergence of sustainable and fair practices. 83. Annual Meeting of the German Academic Association for Business Research, Düsseldorf, Germany.

Volkmann, C., & Keil, A. (April 15, 2022). Klimabildung für alle. Ringvorlesung des Zentrums für Transformationsforschung und Nachhaltigkeit (transzent) der Bergischen Universität Wuppertal, Wuppertal, Germany.

Volkmann, C. (April 29, 2022). "From Lab to Bench: Technology Transfer through Science-Industry Collaboration: Bridging the Valley of Death by Academic Entrepreneurship" von Katharina Hoelzle [Korreferat]. Schumpeter-School-Preisverleihung 2022, Wuppertal, Germany.

Bönte, W. (May 21, 2022). Männer vom Mars und Frauen von der Venus? Geschlechtsspezifische Unterschiede in der Neigung zum Wettbewerb. Tag der offenen Tür der Bergischen Universität Wuppertal, Wuppertal, Germany.

Mochkabadi, K., Kleinert, S., Urbig, D., Volkmann, C. (June 1-4, 2022). Turning Extreme Distinctiveness into an Asset? How Radically Innovative Ventures can achieve Optimal Distinctiveness in Early-Stage Funding Contexts. Babson College Entrepreneurship Research Conference (BCERC), Waco, USA.

Bafera, J., Kleinert S. (June 1-4, 2022). Attracting Business Angels: Does Signaling Sustainability Pay Off for Commercial New Ventures? Babson College Entrepreneurship Research Conference (BCERC), Waco, USA.

Volkmann, C. (July 6, 2022). Der Beitrag von Start-ups und unternehmerischen Ökosystemen zur nachhaltigen Transformation. Ringvorlesung „Gemeinsam für den Wandel: Transformation nachhaltig gestalten“ der deutschen UNESCO-Lehrstühle 2022, Wuppertal, Germany.

Thomanek, M. (June 13-17, 2022). Decreasing information asymmetries on sustainability and fair production with the support of immutable ledgers: Evidence from the fashion supply chain. European Academy of Management Doctoral Colloquium 2022, Zurich/Winterthur, Switzerland.

Coenen, J., Mitzinneck, B. C., Noseleit, F., & Rupietta, C. (June 15-17, 2022). Tackling grand challenges through local action: Pathways to impact for community-based enterprises [Konferenzvortrag]. European Academy of Management Conference 2022, Zurich/Winterthur, Switzerland.

Coenen, J., Mitzinneck, B. C., Noseleit, F., & Rupietta, C. (July 7-9, 2022). Tackling grand challenges through local action: Pathways to impact for community-based enterprises. 38th Colloquium of the European Group of Organization Studies, Vienna, Austria.

Thomanek, M. (July 7-9, 2022). Decreasing information asymmetries on sustainability and fair production with the support of immutable ledgers: Evidence from the fashion supply chain. 38th Colloquium of the European Group of Organization Studies, Vienna, Austria.

Volkman, C. (August 5, 2022). Start-up support: The case of Circular Valley in the Rhine-Ruhr Ecosystem. Paper Discussion Workshop of the Academy of Management.

Coenen, J., Mitzinneck, B. C., Noseleit, F., & Rupietta, C. (August 5-9, 2022). Tackling grand challenges through local action: Pathways to impact for community-based enterprises. 82nd Annual Meeting of the Academy of Management, Seattle, USA.

Bafera, J. (August 5-9, 2022). Attracting Business Angels: Does Signaling Sustainability Pay Off for Commercial New Ventures? 82nd Annual Meeting of the Academy of Management, Seattle, USA.

Volkman, C. (September 9, 2022). The COVID-19 Pandemic as a Catalyst for Digital Entrepreneurship Education. Springer Book Release Workshop.

Bafera, J. (September 22-23, 2022). Attracting Business Angels: Does Signaling Sustainability Pay Off for Commercial New Ventures? G-Forum, Dresden, Germany.

Thomanek, M. (September 29-30, 2022). Strategies of establishing a closed approach with sub-suppliers for sustainable conduct: Evidence from the fashion industry [project-internal presentation]. T-AP project meeting, Groningen, Netherlands.

Coenen, J., (September 29-30, 2022). Collaborating for transformative social innovation: A capabilities framework [project-internal presentation]. T-AP project meeting, Groningen, Netherlands.

Coenen, J., (September 29-30, 2022). Tackling grand challenges one village at a time: Pathways to impact for community-based enterprises [project-internal presentation]. T-AP project meeting, Groningen, Netherlands.

Volkman, C. (October 27, 2022). Social Entrepreneurship zwischen Profit und gesellschaftlicher Verantwortung. Social Impact Day of the Marburger Institut für Innovationsforschung und Existenzgründungsförderung der Philipps-Universität Marburg, Marburg, Germany. ■

AWARDS

Best Paper Award at the Babson College Entrepreneurship and Research Conference (BCERC) 2022:

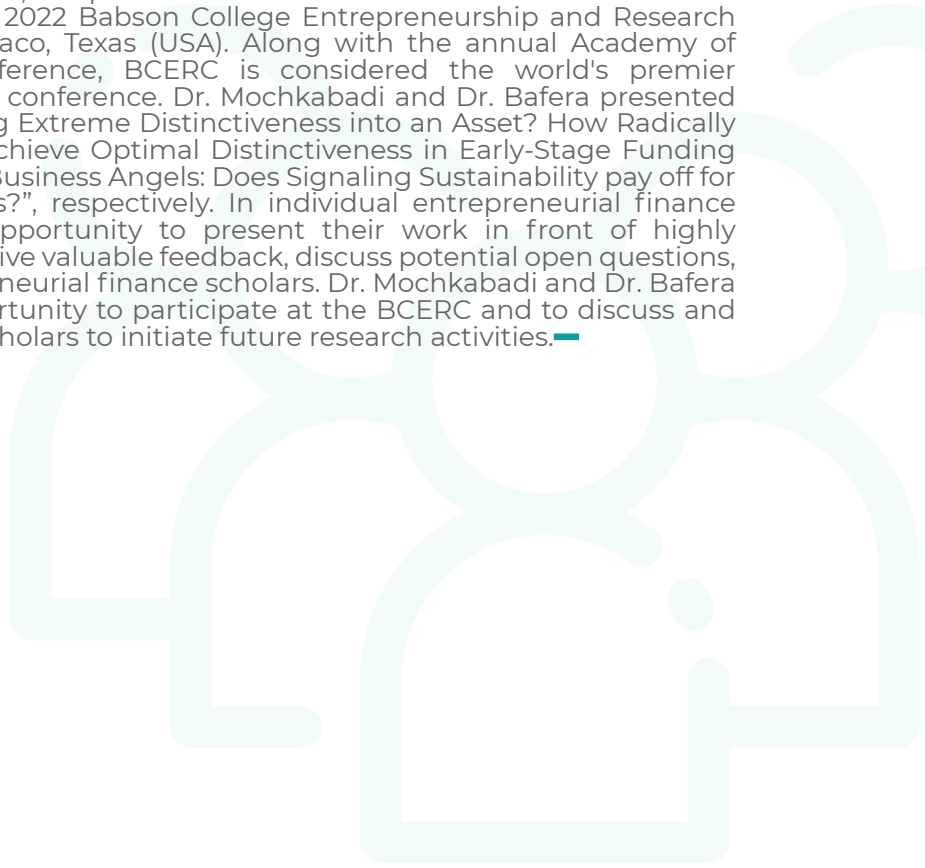
Mochkabadi, K., Kleinert, S., Urbig, D., & Volkmann, C. (2022). Turning Extreme Distinctiveness into an Asset? How Radically Innovative Ventures can achieve Optimal Distinctiveness in Early-Stage Funding Contexts. Babson College Entrepreneurship Research Conference (BCERC), Waco, USA.

Best Paper Award at the International Conference for Crowdfunding Research 2022:

Mochkabadi, K., Kleinert, S., Urbig, D., & Volkmann, C. (2022). Turning Extreme Distinctiveness into an Asset? How Radically Innovative Ventures can achieve Optimal Distinctiveness in Early-Stage Funding Contexts. International Conference for Crowdfunding Research, Oslo, Norway. —

BABSON COLLEGE ENTREPRENEURSHIP AND RESEARCH CONFERENCE (BCERC)

From May 31 to June 4, 2022, the post-docs Dr. Kazem Mochkabadi and Dr. Julian Bafera participated in the 2022 Babson College Entrepreneurship and Research Conference (BCERC) in Waco, Texas (USA). Along with the annual Academy of Management (AOM) conference, BCERC is considered the world's premier entrepreneurship research conference. Dr. Mochkabadi and Dr. Bafera presented their studies titled "Turning Extreme Distinctiveness into an Asset? How Radically Innovative Ventures can achieve Optimal Distinctiveness in Early-Stage Funding Contexts" and "Attracting Business Angels: Does Signaling Sustainability pay off for commercial New Ventures?", respectively. In individual entrepreneurial finance sessions, both had the opportunity to present their work in front of highly reputable researchers, receive valuable feedback, discuss potential open questions, and connect with entrepreneurial finance scholars. Dr. Mochkabadi and Dr. Bafera were grateful for the opportunity to participate at the BCERC and to discuss and connect with worldwide scholars to initiate future research activities. —



SCHOLARSHIP HOLDERS OF THE DOROTHEE HANNESCHLÄGER FOUNDATION

Since their start at the Jackstädt Center in December 2021, Philipp Pasing and Julian Lauten-Weiss, scholarship holders of the Dorothee Hanneschläger Foundation, took several steps towards substantiating their research projects. Throughout the summer of 2022, both doctoral candidates attended the seminars “Idea Presentation and Paper Development” as well as “Qualitative Comparative Analysis (QCA)” by Assistant Professor Dr. Christian Rupietta. The interesting content of the seminars and lively discussions with Mr. Rupietta as well as the other participants enabled Mr. Pasing and Mr. Lauten-Weiss to discuss and further elaborate their research projects.

In his dissertation project, Philipp Pasing investigates how founding teams deal with contradictory tensions when creating sustainable business models. So far, the focus of his work has been reviewing relevant literature as well as solid theoretical foundations in which his contributions will be embedded. Based on the current state of research, a qualitative empirical study will be conducted. For this purpose, an initial interview guide has already been created and will be further developed. In the next step, Mr. Pasing will identify possible starting points for the acquisition of suitable interview partners. In 2023, the project is expected to progress to the point where an intensive exchange with the scientific community can occur, e.g., at conferences and in further seminars. In addition, Mr. Pasing writes a paper on his findings to submit it to a scientific journal.

Julian Lauten-Weiss got the opportunity via the Jackstädt Center to attend a virtual paper development workshop at the Academy of Management’s (AOM) Annual Meeting that focused on start-ups and the circular economy. The workshop was followed by the decision to examine the Wuppertal region’s entrepreneurial ecosystem for circular start-ups together with another participant as well as the support of Prof. Dr. Christine Volkmann. The aim of this research project is to better understand the role of intermediaries in the convergence and combination (hybridization) of various perspectives (institutional logics) that collide during the emergence of an entrepreneurial ecosystem in a circular economy context. Mr. Lauten-Weiss conducted interviews with founders as well as representatives of various institutions. Amongst these were public organizations, accelerators, established companies as well as other actors involved in the regional circular economy. The interviews were then analyzed to gain insights into the at times competing perspectives within an emerging entrepreneurial ecosystem in a circular economy context. In 2023, the paper will be finalized and submitted to a scientific journal. ■



The Griffenberg campus of the University of Wuppertal (Foto: Sebastian Jarych/Bergische Universität Wuppertal)

NATIONAL & INTERNATIONAL SCIENTIFIC INVOLVEMENT

In the context of their scientific activities, the members of the Jackstädt Center are not only embedded in research collaborations, but they also hold positions of responsibility within national and international research networks.

FUNCTIONS AND MEMBERSHIPS

Christine Volkmann

- Co-speaker of the German UNESCO Chairs
- Jury-Chairwoman of the Gründerpreis NRW (Entrepreneurship award of the State of North Rhine-Westphalia)
- Jurymember of the EY (Ernst & Young) "Entrepreneur of the Year" Awards
- Member of the Advisory Board of the Swiss-African Science and Business Innovators' (SASBI) Steering Group (within SARECO)
- Member of the advisory board Next Step_ New Ways of Securing Company Succession of the IHK NRW

Werner Bönnte

- Editor of the journal Small Business Economics
- Research fellow at the School of Public and Environmental Affairs at the Indiana University Bloomington, USA

Peter Witt

- Chairman of the scientific committee of the Erich Gutenberg Arbeitsgemeinschaft
- Department editor for the fields of entrepreneurship and innovation management of the Journal of Business Economics
- Adjunct professor at the WHU-Otto Beisheim School of Management
- Member of the Schumpeter School foundation's board of trustees

Christian Rupiotta

- Member of the Advisory Board of COMPASSS (Comparative Methods of Systematic Cross-Case Analysis)
- Lecturer for Innovation management at the Swiss Distance University of Applied Sciences —

NATIONAL AND EUROPEAN COOPERATION PARTNERS

- Bournemouth University, United Kingdom
- Bucharest University of Economic Studies, Romania
- Copenhagen Business School, Denmark
- Cranfield University, United Kingdom
- DIW Berlin, Germany
- EAWAG, Switzerland
- EBS University for Business and Law, Germany
- ETH Zurich, Switzerland
- Fachhochschule Dortmund, Germany
- FH Münster, Germany
- Federal Institute for Vocational Education and Training (BIBB), Germany
- Fraunhofer Center for International Management and Knowledge Economy, Germany
- Grenoble Ecole de Management, France
- HEC Paris, France
- Heinrich-Heine-University Düsseldorf, Germany
- Hochschule Bochum, Germany
- Hochschule Bonn-Rhein-Sieg, Germany
- Hochschule Rhein-Waal, Germany
- Hochschule Ruhr West, Germany
- Hochschule Stralsund, Germany
- Kaunas University of Technology, Lithuania
- Linköping University, Sweden
- Oxfam, United Kingdom
- Radboud University Nijmegen, Netherlands
- Ruhr-Universität-Bochum, Germany
- RWI - Leibniz Institute for Economic Research, Germany
- RWTH Aachen, Germany
- Stifterverband für die Deutsche Wissenschaft e.V., Germany
- Technical University of Kosice, Slovakia
- Tilburg University, Netherlands
- Technical University of Denmark, Denmark
- Technical University of Dortmund, Germany
- Technical University of Eindhoven, Netherlands
- Technical University of Munich, Germany
- University of Bamberg, Germany
- University of Basel, Switzerland
- University of Bonn, Germany
- University of Duisburg Essen, Germany



- University of Graz, Austria
- University of Kassel, Germany
- University of Oldenburg, Germany
- University of Siegen, Germany
- University of St. Gallen, Switzerland
- University of Trier, Germany
- University of Cologne, Germany
- University of Zurich, Switzerland
- University of Vienna, Austria
- University of Groningen, Netherlands
- University of Maastricht, Netherlands
- VU Amsterdam, Netherlands
- University of Münster, Germany

INTERNATIONAL COOPERATION PARTNERS

- American University Washington, USA
- George Washington University, USA
- Indiana University Bloomington, USA
- Kansas University of Technology, USA
- Queen's University, Kanada
- Universidad del Norte, Barranquilla, Colombia
- University of Connecticut, USA
- University of Illinois, USA
- University of Michigan, USA



APPOINTMENT OF RESEARCH FELLOWS OF THE JACKSTÄDT CENTER

In 2021 the Jackstädt Center of Entrepreneurship and Innovation Research decided to appoint particular researchers with a strong link to the Jackstädt Center as Research Fellows. With these colleagues, working at scientific institutions around the world, the Jackstädt Center intensifies the international collaboration. The following scientists are Research Fellows of the Jackstädt Center:

- Prof. Dr. Vivien Procher
- Prof. Dr. Christian Rupietta
- Prof. Dr. Jana Schmutzler de Uribe
- Prof. Dr. Philip Steinberg
- Prof. Dr. Diemo Urbig
- Dr. Iris Kuhnadt
- Dr. Faisal Saeed Malik
- Dr. Matthias Schulz

After portraying Mrs. Jana Schmutzler and Mr. Diemo Urbig in the annual report 2020/21, we want to give the floor to Mrs. Vivien Procher and Mr. Philip Steinberg to introduce themselves and their research.

PROF. DR. VIVIEN PROCHER

Since 2020, I am leading the Chair of Entrepreneurship and Innovative Business Models at the University of Marburg. The Jackstädt Center has played a vital role on my way to Marburg.

In 2012, I started my assistant professorship at the University of Wuppertal. Together with my colleague Diemo Urbig, we were given the task of building up the newly founded Jackstädt Center. Thus, we can now look back at more than 10 prosperous years at the Jackstädt Center. My ties to Wuppertal, however, have never severed since I left to join the Grenoble École of Management in 2018.

I still work very closely with my former colleagues from Wuppertal, especially Prof. Dr. Werner Bönte, Prof. Dr. Diemo Urbig, and Prof. Dr. Philip Steinberg, on a variety of research projects, ranging from the competitiveness of entrepreneurs, the impact of terrorism on firm activities, to entrepreneurial orientation.

Prof. Dr. Christine Volkmann is a great role model when it comes to setting up and running a start-up and innovation center at the university. It seems to me that some of this knowledge and passion has been transferred to me, as I have become the co-managing director in the corresponding start-up center in Marburg - a great position that allows me to support innovative entrepreneurs and start-up teams at the university. Moreover, Christine Volkmann gave a distinguished keynote speech at our Social Entrepreneurship Impact Day in Marburg in October 2022. For the future, we are planning further exchange and collaboration between the two centers in Wuppertal and Marburg.



The prestigious Schumpeter Award, which is awarded every two years, is also firmly scheduled on my agenda. Thanks to Prof. Dr. Witt, I have always had the pleasure of actively participating in the doctoral workshop held for the laureate. Last but not least, the annual Jackstädt Fellow Meetings provide a very good platform for exchanging ideas with the many researchers supported by the Jackstädt Foundation. Therefore, and after all these years, my special thanks go to the four executive directors of the Jackstädt Center and the Dr. Werner Jackstädt-Stiftung – without their support during my six years in Wuppertal, my professional path would certainly never have been so “entrepreneurial”.

RECENT PUBLICATIONS

Urbig, D., Procher, V. D., Steinberg, P. J., & Volkmann, C. (2021). The role of firm-level and country-level antecedents in explaining emerging versus advanced economy multinationals' R&D internationalization strategies. *International Business Review*, 31(3), Article 101954. <https://doi.org/10.1016/j.ibusrev.2021.101954> (open access)

Steinberg, P. J., Urbig, D., Procher, V. D., & Volkmann, C. (2021). Knowledge transfer and home-market innovativeness: A comparison of emerging and advanced economy multinationals. *Journal of International Management*, 27(4), Article 100873. <https://doi.org/10.1016/j.intman.2021.100873> (open access)

Urbig, D., Reif, K., Lengsfeld, S., & Procher, V. D. (2021). Promoting or Preventing Entrepreneurship? Employers' perceptions of and reactions to employees' entrepreneurial side jobs. *Technological Forecasting & Social Change*, 172, Article 121032. <https://doi.org/10.1016/j.techfore.2021.121032>

Urbig, D., Muehlfeld, K., Procher V., & van Witteloostuijn, A. (2020). Strategic Decision-Making in a Global Context: The Comprehension Effect of Foreign Language Use on Cooperation. *Management International Review*, 60, 351-385. <https://doi.org/10.1007/s11575-020-00412-z>

Urbig, D., Bönte, W., Procher, V. D., & Lombardo, S. (2020). Entrepreneurs embrace competition: Evidence from a lab-in-the-field study. *Small Business Economics*, 55, 193-214. <https://doi.org/10.1007/s11187-019-00141-0> —

PROF. DR. PHILIP STEINBERG

After completing my doctoral studies at the Jackstädt Center of Entrepreneurship and Innovation, I was first appointed as an Assistant Professor at the University of Groningen. Here, I am now an Associate Professor of Strategy and Innovation and the program director of the Master's Program *Strategic Innovation Management*. In my research, I am interested in innovation management, corporate strategy and international management. My research has been published in international journals such as *Research Policy*, *Global Strategy Journal*, *Journal of Economic Psychology*, *Journal of Business Research* and *Journal of Product Innovation Management*, and has been awarded several (inter)national academic prizes.

In recent years, I have had the opportunity to collaborate with researchers at the Jackstädt Center on several projects. Together with Prof. Dr. Christine Volkmann and Prof. Dr. Christian Rupiotta as well as other researchers from the University of Wuppertal, Queen's University (Canada), Oxfam (UK) and colleagues at my home university in Groningen, I am involved in the project on scaling social innovations, which is funded by several national funding organizations. In this ongoing project we are investigating the tensions and contradictions of collaborative social innovations. My colleagues and I are exploring the collaboration between non-profit organizations, for-profit organizations, NGOs, governments, and other relevant stakeholders in adopting and scaling social innovations to address global sustainability challenges. Our aim is to create a better understanding of the opportunities, limitations and tensions in scaling social innovations, with a particular focus on how collaborative approaches can enable scaling.



Together with the Jackstädt Center Research Fellows Prof. Dr. Diemo Urbig and Prof. Dr. Vivien Procher, and Jackstädt Center Director Prof. Dr. Christine Volkmann, I continue to work on joint research projects. In one of our current projects, we are collaborating with Ernst & Young (EY), collected primary data from multinational companies in China, Germany, India, and the US and published a peer-reviewed article on their global innovation activities. Our exclusive data provides important insights into whether and how emerging market multinationals can catch up with leading international competitors. We showed how emerging market multinationals benefit more from mechanisms that increase domestic recipient capabilities and motivate foreign knowledge senders. Thus, emerging market firms are more likely to invest in these mechanisms, particularly when they internationalize their R&D to tap into foreign technology and knowledge. Also, I am currently working on several smaller research projects with the Research

Fellows Matthias Schulz, Diemo Urbig and Vivien Procher.

I would like to express my sincere thanks to the Board of the Jackstädt Center and the Jackstädt Foundation for the trust they have placed in me over the past years. I am very happy that the close connection to Wuppertal persists and I am sure that we will initiate further exciting projects in the future.

RECENT PUBLICATIONS

Steinberg, P. J., Asad, S., & Lijzenga, G. (2022). Narcissistic CEOs' dilemma: The trade-off between exploration and exploitation and the moderating role of performance feedback. *Journal of Product Innovation Management*, 39(6), 773-796. <https://doi.org/10.1111/jpim.12644>

Steinberg, PJ, Hennig, J, Oehmichen, J, Heigermoser, J. (2022). How the country context shapes firms' competitive repertoire complexity. *Global Strategy Journal*, 1-29. <https://doi.org/10.1002/gsj.1458>

Wyrwich, M., Steinberg, P. J., Noseleit, F., & de Faria, P.M.M. (2022). Is open innovation imprinted on new ventures? The cooperation-inhibiting legacy of authoritarian regimes. *Research Policy*, 51(1), Art. 104409. <https://doi.org/10.1016/j.respol.2021.104409>

Hennig, J. C., Oehmichen, J., Steinberg, P. J., & Heigermoser, J. (2022). Determinants of common ownership: Exploring an information-based and a competition-based perspective in a global context. *Journal of Business Research*, 144, 690-702. <https://doi.org/10.1016/j.jbusres.2022.02.019>

Urbig, D., Procher, V. D., Steinberg, P. J., & Volkmann, C. (2022). The role of firm-level and country-level antecedents in explaining emerging versus advanced economy multinationals' R&D internationalization strategies. *International Business Review*, 31(3), Art. 101954. <https://doi.org/10.1016/j.ibusrev.2021.101954>

10TH ANNIVERSARY OF THE INTERNATIONAL QCA WORKSHOPS SERIES

In 2022, the International Qualitative Comparative Analysis (QCA) Workshop Series returned to Zurich as an in-person event. Together with colleagues and friends, the organizers celebrated the 10th edition of the workshop series. As in the previous years, an international team of researchers from the Swiss Federal Institute of Aquatic Science and Technology (EAWAG), Jönköping University, University of Leipzig, Erasmus University Rotterdam, University of Wuppertal and ETH Zurich organized the workshops. The 6th International QCA Paper Development Workshop (December 13 & 14) preceded the 10th International QCA Expert Workshop (December 14 & 15). Both workshops provided a platform for scientific exchange and community building for experienced and junior researchers who develop and apply QCA. While the organizers were happy to welcome most participants in Zurich, some made use of the online options and participated in dedicated hybrid roundtables or hybrid sessions. In total, about 80 researchers participated in the workshops.

The Paper Development Workshop was supported by several leading scholars from different disciplines such as management, political science and sociology. These scholars provided junior researchers or first-time users of QCA feedback on their research papers in round table sessions, where they had the opportunity to discuss their work. For specific questions, senior scholars moderated topic-specific “Q&A on QCA” groups which focused on methodological questions from junior scholars. To further facilitate the interaction between participants, they took part in a scavenger hunt in Zurich, exploring the city and the Christmas market. This session gave junior scholars the opportunity to get to know the workshop faculty, their research fields, and their research journey with QCA.

For the fourth time, the organizing committee awarded the best submissions to the workshop with a best paper award and a runner up prize. The winners of the best paper award were Katharina Agethen (University of Applied Sciences and Arts Ostwestfalen-Lippe) and Luc Sandfort (University of Paderborn) for their paper “Who takes the lead? A configurational approach to emergent leadership and team performance in short-term, virtual teams.”. The runner up prize was awarded to Niklas Dreymann (University of Göttingen), Suleika Bort (University of Passau), and Indre Maurer (University of Göttingen).

The Expert Workshop brought more than 30 scholars with longstanding experience in applying and developing QCA and other configurational comparative methods together. The workshop program contained four presentation sessions, opportunities to socialize, and an open COMPASSS Advisory Board Meeting. The presentation session covered topics such as new approaches to including time in QCA, mixed method approaches with QCA, exploratory approaches to truth table analyses and scope conditions. The first workshop day ended with a COMPASSS Steering group meeting. The dinner in a Swiss barn gave participants the opportunity to continue the scientific exchange, to (re-)connect with workshop participants and to celebrate the 10th anniversary of the workshop series. —

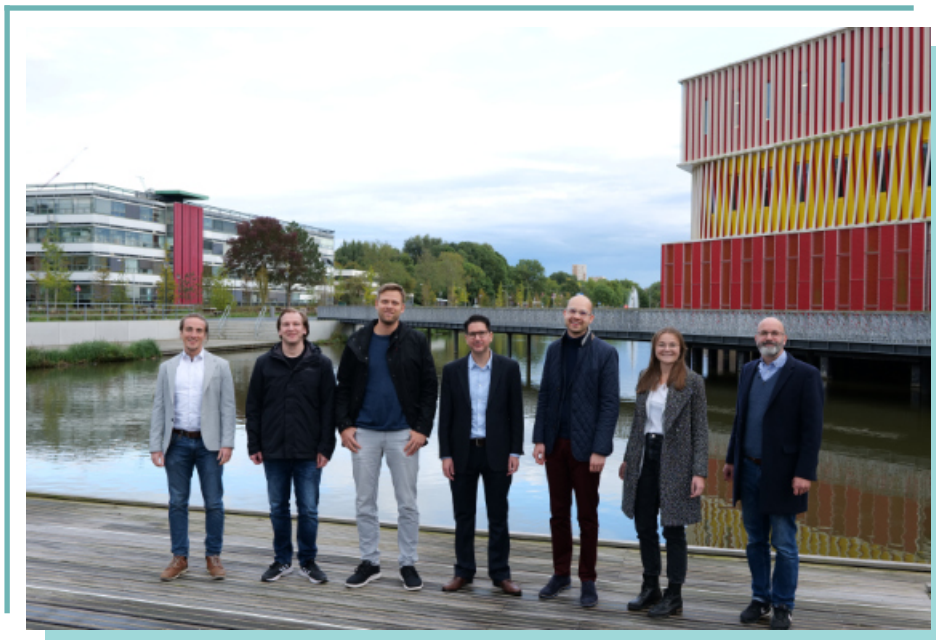
COLLABORATION FOR SCALING SOCIAL INNOVATIONS

Since 2020, the Jackstädt Center has been participating in a third-party funded project of the Trans-Atlantic Platform to research social innovations. Together with project partners at the University of Groningen in the Netherlands, Queen's University in Canada, and Oxfam in the United Kingdom, our researchers are investigating how social innovations impact social and environmental problems and how this impact can be scaled. Building on the preliminary research and identification of research gaps in 2020, data collection and analysis began in 2021 (see our 2020/2021 annual report for more information). In 2022, the Jackstädt Center team successfully continued the project and already presented first results at renowned conferences.

Jana Coenen, PhD student in this project and research associate at the Jackstädt Center, presented her research results at renowned conferences such as the Academy of Management (AOM) in Seattle (Washington, USA), the European Academy of Management (EURAM) in Zurich (Switzerland), as well as the European Group for Organizational Studies (EGOS) in Vienna (Austria). There, she received valuable feedback on her research project examining success factors of community-based renewable energy enterprises.

Markus Thomanek, research associate at the Jackstädt Center and involved in the project as a PhD student, also presented his research at major conferences and meetings. He presented his research project on sustainability in supply chains at the EGOS conference in Vienna, the EURAM Doctoral Colloquium in Zurich, as well as the annual scientific conference of the Association of University Teachers of Business Administration (VHB) in Düsseldorf. At these events, he had the opportunity to exchange ideas with other scientists on his research project and to receive helpful feedback.

In addition, the project partners were able to hold an internal project workshop in person for the first time - previously, such meetings could only take place virtually due to the pandemic. In September, researchers from the University of Groningen,



Project meeting in Groningen, September 2022. From left to right: Markus Thomanek, Prof. Dr. Christian Rupietta, Prof. Dr. Philip Steinberg, Dr. Diego Soares, Prof. Dr. Björn Mitzinneck, Jana Coenen & Prof. Dr. Florian Noseleit. Other project members joined virtually. (Photo: Private)

led by Prof. Dr. Florian Noseleit, hosted a two-day meeting in Groningen, Netherlands. The current status of the various research projects was presented and then further developed in focus groups. A small guided tour through the university city of Groningen was also part of the program.

Thanks to the valuable feedback from other scientists and the intensive exchange between the project team at the workshop in September, two research projects were submitted for publication in prestigious scientific journals at the end of the year. In 2023, the results of the other research projects will be presented at international conferences and submitted to scientific journals. The researchers are confident that this year's research will provide further valuable insights into social innovation and its impact. ■



The campus of the University of Groningen (Photo: Markus Thomanek)

TEACHING

The Jackstädt Center actively supports the curriculum of the Schumpeter School of Business and Economics and regularly offers lectures and seminars within the Bachelor's and Master's programs.

COURSES

The Jackstädt Center mainly offers research-based seminars for post-graduate and PhD students. These allow students to apply their methodological knowledge, collect data independently, and create their own empirical work. Moreover, since the winter term 2013/2014, the Schumpeter School of Business and Economics has offered a specialized Master program in "Entrepreneurship and Innovation." The directors of the Jackstädt Center, namely Christine Volkmann, Werner Bönte, Peter Witt and Michael Fallgatter, offer several modules, lectures, and seminars in this and related Bachelor's and Master's programs. Thus, the large variety of courses taught in the area of "Entrepreneurship and Innovation" strengthens and complements the research orientation of the Jackstädt Center.

LECTURES

BACHELOR

Chair Prof. Dr. Christine Volkmann

- Entrepreneurship, Gründung und Wachstum
- Rechtsgestaltung bei Unternehmensübernahmen und –beteiligungen
- Arbeits- und Gesellschaftsrecht für Gründer
- Gewerbliche Schutzrechte für Gründer
- Fallstudien zum Gründungsmanagement (Exercise)
- Grundlagen des Gründungsmanagements
- Spezifische Aspekte des Gründungsmanagements
- Entwickle deine Idee - Design Thinking

Prof. Dr. Werner Bönte

- Industrial Organization

Prof. Dr. Michael Fallgatter

- Organization
- Organization and Business Management

Prof. Dr. Peter Witt

- Introduction to Business Administration and Economics

MASTER

Chair Prof. Dr. Christine Volkmann

- Entrepreneurship und Marktentwicklung
- Wettbewerbsglobalisierung

Prof. Dr. Werner Bönte

- Economics of Innovation
- Game Theory and Experimental Economics

Prof. Dr. Michael Fallgatter

- Management von Handlungen

Prof. Dr. Peter Witt

- Energy and Project Management
- Innovation and Technology Management

SEMINARS

BACHELOR

Chair Prof. Dr. Christine Volkmann

- Entrepreneurial Marketing
- Entrepreneurial Finance
- Entrepreneurial Thinking: Effectuation - wie erfolgreiche Unternehmer denken, entscheiden und handeln
- Design Thinking
- Gründungsvorhaben
- Seminar zum Gründungsmanagement

Prof. Dr. Christian Rupiotta

- Economics of Innovation and Education
- Project Management in Energy Industry and Information Technology

Prof. Dr. Michael Fallgatter

- Do your best! - Unternehmenssteuerung durch Ziele
- Management

MASTER

Chair Prof. Dr. Christine Volkmann

- Sustainable Entrepreneurship & Innovation
- Die Relevanz der Kreislaufwirtschaft für Entrepreneurial Ecosystems
- Geschäftsmodellentwicklung und Businessplanerstellung für innovative Geschäftsideen
- Wirtschaftsethik

Prof. Dr. Christian Rupiotta

- Economics and Management of Innovation

Prof. Dr. Werner Bönte

- Applied Strategic Thinking: An Introduction to Game Theory
- Experimental Economics

Prof. Dr. Michael Fallgatter

- Organisationale Veränderungen und deren Umsetzung
- Führung in organisationalen Veränderungsprozessen
- Führung in organisationalen Prozessen, Digitale Unternehmensforschung

Prof. Dr. Peter Witt

- Digital Transformation
- Innovation Management & Entrepreneurship
- Technovation & Entrepreneurship

DOCTORAL STUDIES

Prof. Dr. Christine Volkmann

- Recent Advances in Entrepreneurship Research

Prof. Dr. Christian Rupiotta

- Qualitative Comparative Analysis (QCA) in Entrepreneurship and Innovation Research
- Idea and Paper Development Workshop in Entrepreneurship and Innovation Research

Prof. Dr. Michael Fallgatter

- Recent Advances in Management Research

Prof. Dr. Peter Witt

- Empirical Methods of Innovation and Start-up Research —

OVERVIEW OF BACHELOR'S AND MASTER'S THESES

A selection of theses highlights the range of topics supervised by the directors and assistant professor at the Jackstädt Center.

PROF. DR. CHRISTINE VOLKMANN

BACHELOR

- Die Auswirkungen von Qualitätssignalen eines Pitch Videos im Crowdfunding des Filmbereiches auf den Finanzierungserfolg
- Do Unicorn Startups Have to Make Use of Other Signaling for Investor Relations Than Non-Unicorn Startups to Mitigate Potential IPO Risks?
- Equity Crowdfunding: Einfluss von dynamischen Signalen auf den Erfolg von Equity Crowdfunding Kampagnen
- Interaktives Marketing in den sozialen Medien – eine qualitative Analyse von jungen Unternehmen
- Entrepreneurial Marketing in Start-ups: Der Aufbau und die Nutzung von Netzwerkbeziehungen über soziale Medien
- Die Internationalisierung von deutschen Start-up-Unternehmen – Die Erschließung des US-amerikanischen Technologiemarktes mithilfe des German Accelerators
- Betriebliche Klimaberichte und Nachhaltigkeitsstrategien für eine ökologisch-nachhaltige Unternehmensausrichtung – Entwicklung eines betrieblichen Mobilitätskonzeptes im Rahmen einer Nachhaltigkeitsstrategie für die Neue Effizienz gGmbH aus ökologischer Nachhaltigkeitsperspektive

MASTER

- Reshoring und Soziale Nachhaltigkeit in der Textilbranche
- Moderatorenanalyse externer Zertifizierung im Equity Crowdfunding Investitionsprozess - Eine quantitative Analyse

- Equity-based Crowdfunding Plattformen – als alternativer Intermediär für Business Angels
- Die Beeinflussung der Gesundheitsdienstleistung der Telemedizin auf die Innovationsdynamik der Versicherungsbranche im Hinblick auf weitere Zukunftspotentiale
- Build to Rent – Opportunities and risks for the vertical transportation industry
- Warum viele Menschen in Deutschland keine Start-ups gründen: Ursachen und Einflussfaktoren für das Nicht-Gründen

PROF. DR. WERNER BÖNTE

BACHELOR

- Eine ökonomische Analyse staatlicher Maßnahmen zur Förderung der Elektromobilität – ein Ländervergleich
- Distributional Effects of CO2 Taxation: An Economic Analysis

MASTER

- Multidimensionality of competitiveness and behaviour in economic experiments – an empirical analysis
- Gender Differences in Competitiveness: New Empirical Evidences from a Lab-in-the-Field Study
- Barriers to entry for companies in the Egyptian fintech market
- Orientierung von Start-ups und dem Geschlecht der Gründenden
- Staatliche Förderung von Power-to-gas – Eine ökonomische Analyse

PROF. DR. MICHAEL FALLGATTER

BACHELOR

- Innovation durch Organisationsstruktur – Der Einfluss generischer Strukturbalance auf die Innovationsfähigkeit
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TRANSFER

The transfer between science and the regional industry in the “Bergische Land” is a major effort of the Jackstädt Center. Besides the cooperation with companies within the scope of research and public events, the Jackstädt Center’s directors aim to actively connect students from the University of Wuppertal and regional companies. This is achieved by formats such as the Climathon or by collaborating with the local industry in the context of theses and seminars.

START-UP CENTER

The Start-up Center, under the direction of Prof. Dr. Christine Volkmann, holder of the UNESCO Chair for Entrepreneurship and Intercultural Management, has been the university's central point of contact for start-ups and innovation since June 2020. Funded by the German Federal Ministry for Economic Affairs and Climate Action (BMWK), the Start-up Center is a central operating unit that supports students, staff and graduates from all faculties who are interested in starting up their own business. With € 1.9 million in funding, innovative start-up potential is being developed at the University of Wuppertal, thus increasing the number of university spin-offs. A particular focus is placed on the promotion of sustainable start-up projects. The Start-up Center is located in the Freiraum, the university's co-working space. Here, on the Arrenberg quarter with a view on the Wupper, interested start-up founders can work on their projects and network on more than 450 square metres. The Start-up Center provides advice on developing business ideas and related business models, the search for financing options (borrowed and equity capital) and on various funding programmes, such as the Gründerstipendium.NRW or Start-up Transfer.NRW. In addition, the Start-up Center organizes numerous workshops, events and networking meetings to enthuse university members with the topic of start-ups, to impart new skills and to connect prospective founders with experts.—

SUSTAINABLE START-UP DAYS

On 04 and 05 May 2022, the Sustainable Start-up Days on "sustainable founding" took place for the first time at the University of Wuppertal. For two days, interested people were able to network with 22 sustainable start-ups in the exhibition area and get to know innovative sustainable products and services. In addition to the exchange with founders in the exhibition area at the Griffenberg campus, founders and people interested in founding a company were invited to a diverse coaching and workshop program on both days, where they could learn more about sustainable entrepreneurship, creative solutions, as well as funding programs, legal forms and sustainable investors. The highlight of the first day was the start-up story with Anna Yona from Wildling Shoes and Markus Wöllner from Einhorn. The successful founders presented their exciting start-up stories and answered numerous questions from the audience. On the second evening, the five best start-ups chosen in the preliminary round presented their ideas to the large audience in a five-minute pitch. There, they had the prospect of winning a prize of € 6,000. The pitch competition prize went to the start-up Plastic Fischer, which uses a low-tech and low-cost river barrier to sustainably rid the oceans of plastic. The award ceremony was complemented by an exciting panel discussion by experts from the region's ecosystem on sustainable entrepreneurship.

The next Sustainable Start-up Day will take place in June 2023.—

START-UP DAY

A central goal of the Start-up Center is to raise awareness among students and employees about start-ups and innovation. To this end, an exhibition of ten start-ups took place at the Griffenberg, Freudenberg and Haspel campuses on 22 November 2022. This offered interested students and staff the opportunity to learn about innovative products and services, ask questions and network. In addition, the founders were invited to twelve thematically linked lectures and talked about their start-up stories to around 500 students. At the end of the Start-up Day, an exciting pitch competition took place in the Freiraum, the innovation lab of the University of Wuppertal. The highlight was Rebecca Göckel, founder of the start-up NOMOO, who also reported on her experiences, successes, and hurdles in founding the company. The Wuppertal start-up "fairmisch" won the pitch competition against strong competition. Nevertheless, the evening was a great success for everyone because afterwards, all interested parties could exchange ideas and network with the other start-ups.—



WOMEN ENTREPRENEURS IN SCIENCE

In 2022, only 20.3 % of all start-ups nationwide were founded by women. The low percentage shows that women are still severely underrepresented in the start-up scene and that untapped potential is being lost. The Women Entrepreneurs in Science (WES) project, led by Prof. Dr. Christine Volkmann, was launched in 2020 to increase the proportion of women spin-offs in the long term and to raise the start-up potential.

WES is a network for female students, employees and graduates of universities in North Rhine-Westphalia. The project aims to support female founders and those interested in founding a company in their start-up plans and connect them with actors relevant to start-ups. A positive and inspiring environment is created to encourage more women at universities to start businesses. —

WOMEN ENTREPRENEURS SUMMIT

On 30 June, the WES team organized the second Women Entrepreneurs SUMMIT with around 230 participants at the University of Wuppertal. As female founders are still strongly underrepresented (see above), the annual Women Entrepreneurs SUMMIT aims to raise awareness of this problem and move female founders and their start-ups into the spotlight. Between the university's largest lecture halls, female founders presented their start-ups to the public in an exhibition area. At the 'Meet your Co-Founder' event, future founders presented their idea or life story to find suitable co-founders. As part of the university network meeting at the Women Entrepreneurs SUMMIT, representatives of the universities in North Rhine-Westphalia exchanged ideas with the investors Dr. Katharina Peters, Gernot Berger, Klaus-Dieter Langner and Hans Bernhard Meyer. There was also a wide range of workshops for those interested in setting up a business.

The second Women Entrepreneurship SUMMIT concluded with the Entrepreneurship Battle. Six start-up teams from different universities in North Rhine-Westphalia presented their start-up ideas. The jury, consisting of Prof. Dr. Christine Volkmann (initiator and head of the "Women Entrepreneurs in Science" project), Dr. Meike Rabanus (Ministry of Economic Affairs, Industry, Climate Action and Energy of the State of North Rhine-Westphalia), Antje Lieser (Wuppertal Economic Development Agency), Caroline Kroll (founder of No Cosmetics) and Sebastian Hanny-Busch (NRW.BANK), chose the winners. The first prize went to Alicia Klemm and Kathrin Fesenmeyer (WWU Münster) with their start-up Herbsom. —

WOMEN MENTORING PROGRAM

The Women Entrepreneurs in Science mentoring program was developed in 2021 in close cooperation between the project team and the Ministry of Economic Affairs, Industry, Climate Action and Energy of the State of North Rhine-Westphalia. The program offers aspiring female entrepreneurs the opportunity to be mentored by experienced female entrepreneurs in order to develop their full potential. In addition to mentoring, participants can expect accompanying workshops on start-up-related topics, an exchange of experiences and networking events. The mentoring program starts twice a year (in April and October) and runs for three months. —

SUCCESS FACTORS FOR THE IMPLEMENTATION OF MEDICATION MANAGEMENT SOFTWARE IN GENERAL PHYSICIANS' PRACTICES

As part of an internal cooperation, the Jackstädt Center supports the Competence Center for Health Economics and Health Services Research (BKG) at the University of Wuppertal with its methodological expertise. In the innovation fund project "Application for Digitally Supported Medication Therapy and Care Management" (AdAM), the BKG supported implementing a new medication management software for polypharmaceutical patients in general physicians' practices. After the completion of the project, the success factors for such a change are now to be examined.

With the support of the Jackstädt Center, a qualitative comparative analysis (QCA) was carried out. The Jackstädt Center contributed with its methodological expertise, particularly in setting up and operationalizing the research model as well as the analyses. Through the QCA, two configurations of external and internal conditions were identified that led to a successful implementation of the new software. After the presentation of preliminary results at the European Implementation Event (27-28 May 2021) and the German Congress for Health Services Research (06-08 October 2021), the findings were summarized in a scientific paper in 2022. Publication in a renowned scientific journal is planned for 2023. —

IMPACT CREATION THROUGH COMMUNITY-BASED ENTERPRISES

CONDITIONS FOR THE SUCCESS OF BIOENERGY VILLAGES IN GERMANY

In this research project, scholars of the Jackstädt Center and partners from the University of Groningen investigate the emergence of successful bioenergy village projects in Germany. Bioenergy village projects are community-based enterprises that produce energy from locally available renewable resources for the village's needs. In this way, these projects can make a valuable contribution to the energy transition. The research aims to identify combinations of contextual factors that enable a successful bioenergy village project. In a second step, the mechanisms underlying the successful use of the identified contextual factors will also be investigated. From these findings, policy implications will be derived on supporting the success of such projects and thus contributing to the energy transition.

Already in 2021, four configurations of contextual factors that enable a successful bioenergy village project could be identified using qualitative comparative analysis (QCA). In 2022, guideline-based interviews were conducted with representatives of bioenergy village projects, each representing one of the identified configurations. Based on these interviews, it was possible to identify cross-case mechanisms that enabled the success of the projects in their respective contexts.

The preliminary results of this research project were presented at several academic conferences: the European Academy of Management (EURAM) conference in Zurich/Winterthur (Switzerland), the European Group for Organizational Studies (EGOS) conference in Vienna (Austria) and the Academy of Management (AOM) conference in Seattle, Washington (USA). Considering the conference participants' feedback, the research project results were summarized in a scientific article at the end of 2022. This article is now in the review process of a reputable scientific journal (as of January 2023). —

FINANCIAL SUSTAINABILITY

To ensure the Jackstädt Center's financial viability sustainably, raising external funding remains a continual concern. In the following section, we highlight fund-raising activities that provide insight into the successful work of the past two years.



EDUCATING FUTURE SUSTAINABILITY LEADERS & INNOVATORS

The project is funded by the Horizon 2020 initiative of the European Commission.

Project duration: 09/2022 - 08/2023

Funding volume: 250.000€

Project partners:

Prof. Dr. Christine Volkmann: UNESCO Chair of Entrepreneurship and Intercultural Management.

Jun.-Prof. Dr. Philipp Trotter: Chair of Sustainability Management.

Project goals:

The project "Educating future sustainability leaders & innovators" aims to develop a solution-oriented teaching and learning concept for entrepreneurial education for sustainable development (ESD). To this end, the project pursues three sub-objectives:

Students learn to think systematically and interdisciplinarily while analyzing complex social change processes. To promote interdisciplinarity, a purpose-designed Master's seminar is aimed not only at students from the Schumpeter School of Business and Economics but also at students from the Faculties of Design and Art and Mechanical and Safety Engineering.

Interactive, experience-based teaching and learning methods promote design competencies for sustainable development, with a focus on co-creative and action-oriented learning. Methods and content from education for sustainable development (ESD) are particularly applied.

The transdisciplinary orientation of the project enables students to develop concrete solutions in the context of sustainability (e.g. circular economy) in cooperation with regional companies, NGOs and civil society, and teaches them to implement these by supporting the foundation of businesses. Thus, students can gain not only theoretical knowledge but also practical experience about sustainable entrepreneurship in inter- and transdisciplinary contexts.

The team designed the teaching concept in the winter semester 2022/23 and implements it in the summer semester 2023. Students, teachers and companies were involved already in the conception phase to design a learning and teaching concept adapted to their needs, experiences and wishes.

After the course has taken place, the concept will be reflected upon and re-designed as a modular kit. Lecturers from all disciplines will thus have an innovative training tool at their disposal out of which they can select contents so as to integrate sustainability topics into their courses. —

EXIST POTENTIALS

The German Federal Ministry for Economic Affairs and Climate (BMWK) funds the project.

Project duration: 06/2020 - 05/2024

Funding volume: 1.9 million euros

The goal of the project is to tap potentials for innovative start-ups and thus increase the number of university spin-offs. Therefore, the Start-up Center, as a central operating unit of the university, forms a direct access point for students, employees and graduates of the University of Wuppertal interested in starting a business. —

WOMEN ENTREPRENEURS IN SCIENCE

The Ministry of Economic Affairs, Industry, Climate Action and Energy of the State of North Rhine-Westphalia (MWIKE) funds this project as part of the “Excellence Start-up Centre.NRW” initiative.

Project duration: 07/2020 - 06/2024

Funding volume: 1.86 million euros

Women Entrepreneurs in Science is a network for female students, employees and graduates of universities in North Rhine-Westphalia. The project aims to support female founders and those interested in founding a company in their start-up plans and networking with actors relevant to start-ups. —

COLLABORATION FOR SOCIAL INNOVATION: SCALING FOR IMPACT

The Federal Ministry of Education and Research (BMBF) funds this project.

Project duration: 09/2020 - 08/2023

Funding volume: 300.000€

The Jackstädt Center of Entrepreneurship and Innovation Research carries out the project on scaling social innovations in collaboration with researchers from the University of Groningen (Netherlands), Queen’s University (Canada) and Oxfam (United Kingdom). The researchers investigate how the positive impact of social innovations can be successfully increased. These social innovations often take place in contexts that have a strong local or regional connection. The researchers involved in the project are therefore collecting new primary data, among other things, which will provide information about cross-contextual factors. —

OUTLOOK

In 2023, the Jackstädt Center will continue and complete its successful third-party funded projects. The center is particularly proud of the project on scaling social innovations and looks forward to further presenting results at high-ranking conferences and submitting it to renowned journals. The project on developing a framework for teaching that can be used by university instructors will also be completed in the coming year. Both projects are important milestones for the Jackstädt Center and underscore its scientific excellence and innovative strength.

Another focus in the coming year is the successful transfer of knowledge and technologies to the economy and society. The Jackstädt Center's start-up center will organize numerous events and host a SUMMIT for founders in the coming year. Supporting start-ups and entrepreneurs is an important component for the implementation of research results into practice.

In addition to the current projects and transfer activities, the succession of Prof. Dr. Rupietta is of great importance. The Jackstädt Center is currently looking for a successor to anchor the center successfully in the international scientific community and conduct internationally recognized and relevant research in the future. An important aspect here is the continuation of teaching in the form of research seminars for students. Teaching is a central part of the Jackstädt Center and contributes significantly to the training and promotion of young scientists.

Overall, the Jackstädt Center is optimistic about the year 2023 and strives to continue demonstrating its scientific excellence and innovative strength. The successful continuation of third-party funded projects, the transfer of knowledge and technologies, and the succession of Prof. Dr. Rupietta are important steps in this direction.

Finally, we would like to thank our readers and supporters for their trust and support. Without you, our work would not be possible, and we are grateful for your continued support. We look forward to the year 2023 and are confident that we will achieve further milestones together. —

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