



# Tension

Who can participate?	Artists of any age who are interested in addressing the scientific questions of our cooperation partners.
What do we offer?	A fee of 2.000 €, accommodation and studio as well as production and travel allowances.
Where does it take place?	The project will take place at the TRAFO-Magazin. <small>(A detailed description can be found on the next pages)</small>
When does the project happen?	Presence time 01.07.22 – 03.10.22
How can I participate?	If you are interested, please send us a CV, portfolio and an outline of your project proposal. <small>(max. 5 MB)</small> We accept applications up to and including 26.05.22.

## Project description

The project „Künstlerische Tatsachen“ brings together scientists and artists: Scientists open their laboratories, artists create artworks based on artistic engagement with scientific problems or topics, which can serve as a starting point for a social discourse around the topic of tensions. The works created during the transdisciplinary residency by the five participating artists or collectives will be exhibited at the end.

An engagement with scientific themes and techniques is desirable. For this Arts & Science Residency the TRAFO with its 400 m<sup>2</sup> is both working and exhibition space. The TRAFO is a new innovation lab for contemporary art forms and media in the city of light city of light Jena. Under the framework theme „Tension“ we take up current research projects of our partners from the scientific landscape of Jena.

Through the residency, the lab becomes the studio and the studio becomes the lab, so that the processual and experimental way of working can be experienced by the participating artists, scientists and the public.

Our social media team will constantly accompany your project; both the exhibition and the process leading up to it will be documented textually, photographically and videographically. A printed publication is planned for 2023 – [here](#) you can find the brochure of our last year's residency „Entstehung einer Künstlerischen Tatsache“.

# Location

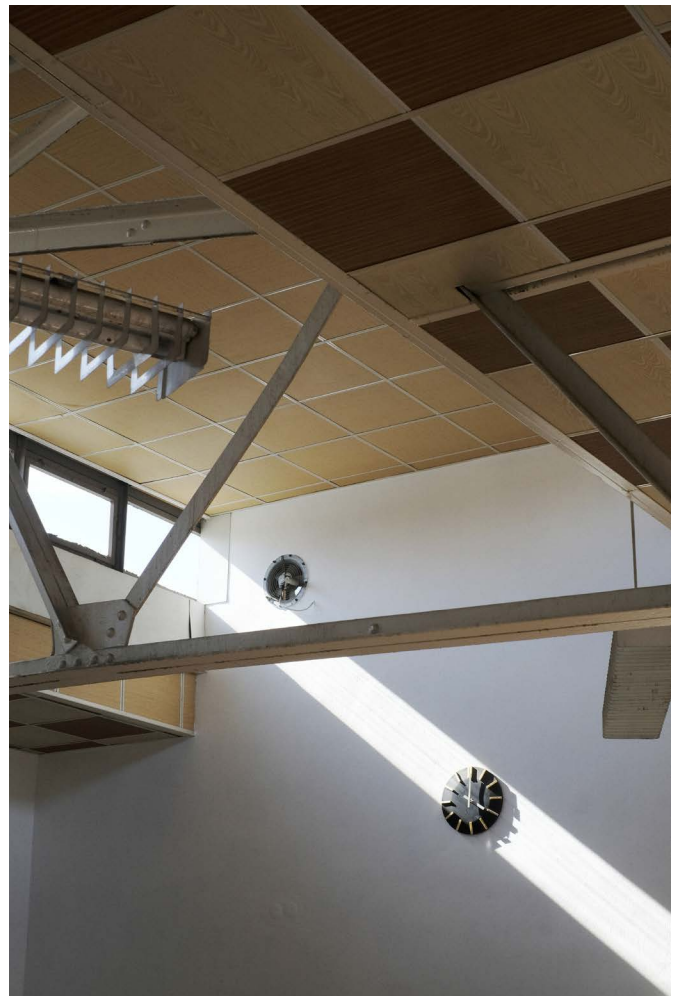
## The TRAF0

For several years now, the association IN's NETZ has established a forgotten transformer station forgotten transformer station in the center of Jena as a new cultural location TRAF0. For this purpose, innovative cultural formats are developed and partners and helpers to develop a long-term operating concept. concept for the long-term operation of the venue. TRAF0 is Jena's new innovation laboratory for contemporary art forms and media. It offers an experimental space for different forms of participation, in which members and participants, neighbors and cultural actors can develop their own and cultural actors can develop their own formats and events.

„Künstlerische Tatsachen“ is such a project and should find a home in TRAF0. It tries to appear as a new actor in the cultural scene, which does justice to Jena with its scientific focus and thus focus and thus closes a gap. The venue will offer space for up to five artists in residence and also has enough space to conduct various participation formats with sufficient with sufficient spacing.

TRAF0 has already become a central cultural venue in Jena. developed. Following new trends in urban development, we make it possible to to expand the functionality of the place, to condense it and thus to create synergies between the neighborhood, art, culture and science. The Arts & Science Residency could become a bridge in the heart of the city and between contemporary art and science.

„Künstlerische Tatsachen“ should be the prelude to a long-term use of the long-term use of the Maschinenhalle and thus add meaning to the existing offer in the TRAF0 in a meaningful way. Through repeated use a cycle of exhibition and residency. The location TRAF0 delivers thus contributes to a sustainable urban development through the sensible use of the sustainable urban development.



Impressions from the TRAF0, Photos: Roxana Rios



## Artist's studios

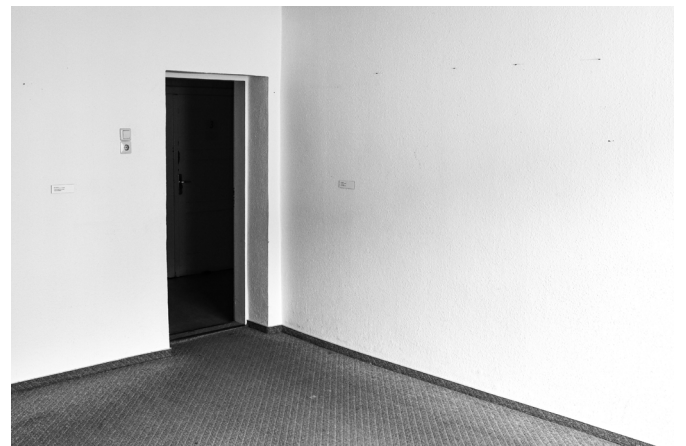
In addition to on-site accommodation, we will provide you with your studio. In the TRAF0 one floor is floor is completely at your disposal for artistic activities. The heart room with skylights, where you can exchange ideas with the other artists. A corridor leads from this skylight room to your workroom (approx. 20 m<sup>2</sup>), which is at your exclusive disposal. Next to this workroom there are other rooms that can be used and explored. In total, the transformer offers a usable area of about 400 m<sup>2</sup> at your disposal.

This year we share the Oberlichtsaal with the Kunstverein Jena from September on. From July to August, this can be used as an experimental space.



## Workplaces

Besides your studio, there are other work opportunities in Jena and Weimar. We were already able to establish some contacts to workshops in the area last year and will also help you this year when it comes to arranging FinePrint, 3D-Print, screen printing, wood and metal workshops. In addition, TRAF0 will provide you with a basic set of tools and machines.



Impressions from our studio rooms, Photos: Kilian Rüb

# Organization

## Schedule

July	Arrive Participation formats Follow-up Facilitation
August	Independent work Facilitation
September	Support Facilitation Communication Digital Participation Exhibition design Participation formats Exhibition opening
October	Vernissage Documentation Follow-up
November	Opened exhibition
December	Opened exhibition

### 1. Orientation

*Kick-off event: 09.07.22*

Presentation of topic-related research results of the of the participating scientists with the involvement of the public. You move into your studio and have the opportunity to visit the scientists in their workplaces.

### 2. Exchange

You will work intensively on an interpretation of the research results with regular consultations with scientists.

### 3. Conclusion

*Vernissage: 01.10.22*

We will open joint exhibition.

### 4. Reflection

After the joint research process is completed, we invite you to share your experiences with us. We will use this material for our brochure.

### 5. Preservation

After the exhibition is before the exhibition. We will store your work in the TRAFO-Magazin and optionally take care of follow-up exhibitions and distribution in close consultation with you.

## Accommodation and Meals

We will organize a room for you in an apartment in the vicinity of the TRAFO in Jena. You will not pay rent for this room. TRAFO has a kitchen where you can prepare your own meals. We plan to set up a second kitchen on site by the start of the project. Parties are unfortunately not possible in the premises of TRAFO.

## Honorary and Budget

We give you 2.000 Euro, which you can use for your catering and project realization. In addition, there will be a budget for material costs, which will cover part of your expenses.

We will be at your disposal for the organization of everything you need and we will provide you with a contact person during the attendance phases.

## Corona

The event will be implemented in careful compliance with the currently valid hygiene regulations in order to avoid infections with the coronavirus. To ensure the highest possible safety for all participants, rapid antigen tests will be performed at the beginning of each day of the event. We also provide sufficient FFP2 masks. But despite this, ultimately only that contact will be possible which the infection situation permits.

# Cooperations

This year's main theme "Tension" offers scientists from the natural sciences, humanities and social sciences the opportunity to expose their research topics to artistic research. In this way, artistic research and practice can shed new light on the research subject or field of research. We therefore also encourage artistic projects that relate to several participating institutes.

This year, participating artists can access an even broader spectrum of research:

Scientists from the *Hans Knöll Institute (Leibniz Institute for Natural Product Research and Infection Biology)* will focus, among other things, on the interaction between pathogenic organisms and their human hosts. For example, the *FungiNet* research group is recreating the breakthrough of the *Candida albicans* fungus through the natural barriers of the human body under laboratory conditions to develop therapies that render the fungus harmless to humans.

The bacterium *Streptococcus pneumoniae*, which causes pneumonia, is visualized in the research area *Infection Biology and Applied Systems Biology* in order to uncover further networks of interaction. Hence, the scientists perform a change of perspective: Instead of studying how the human system responds to the pathogen, they are studying how pathogens learn from the interaction with the human body.

At the intersection of archaeology, genetics and bioinformatics, scientists in the field of Paleobiotechnology analyze genetic information found in archaeological samples to gain insights into the evolution of biosynthetic genes. Enzymes synthesized according to the analyzed DNA sequences yield new insights and potential applications for these natural products.

In close proximity to the *Leibniz-HKI*, scientists of the *Max Planck Institute for Chemical Ecology (MPI-CE)* analyze the sense of smell of the fly *Drosophila melanogaster*. The electrical voltage field of neurons stimulated by odors as well as the response of the fly, are studied and compared through the means of behavioral experiments and microscopic calcium imaging techniques.

Scientists of the Nanobiophotonics department at the *Leibniz Institute of Photonic Technology (Leibniz-IPHT)* are manipulating the optical properties of plasmonic nanoparticles in their research. The ability to determine the absorbed light by the shape and size of the particles expands the application of plasmonic nanoparticles to mark and detect molecules.

Optics and photonics are also the area of expertise of the *Deutsches Optisches Museum (D.O.M.)* In the course of the museum's reopening in 2025, optical and photonic phenomena will be explained with real-life experiments within the new exhibition. In this very context the museum is dedicated to the communication and visualization of tension in glass. The latter being a challenge to overcome in optical systems.

The *IMPULS research consortium* is interested in tensions that directly affect people. The working group investigates how lifestyle and aging change the response to stress.

The *Department of Clinical Psychology from the University of Jena* investigates the conditions for the development and maintenance of mental illness from a neuroscientific perspective. In particular, the conscious or unconscious perception of internal bodily processes (heartbeat, breathing, etc.) is of interest.

The *Department of Biological Psychology and Cognitive Neurosciences* investigates in which respect tension arises according to the discrepancies between the reality surrounding people and the world perceived by the individual.

The research focus at the *Department of General Psychology II* is on prescriptive age norms, i.e. conceptions about how older people should be and how they should live. These norms play a central role for development in old age. Tension arises between the ideas of active aging and disengagement is constantly being renegotiated in the context of social debate.

One of the main tasks of the *Center for Research on Right-Wing Extremism, Democracy Education and Social Integration (KomRex)* is the transfer of scientific findings to the public, the media and political decision-makers. However, it is significant when misconceptions and expectations prevail in the public or in politics, thus hindering the transfer of scientific content and, in extreme cases, devaluing or ignoring scientific knowledge. Therefore, this project is dedicated to the acquisition and transfer of knowledge as well as its evaluation, i.e. the presentation of empirical social science studies and the question „What can science achieve?“

# Participation

This year, your artistic research process will also be experienced by the citizens of Jena.

We are organizing an accompanying, intergenerational participation program under the title „kT Fellows“. The participants of the residency will work together with citizens in low-threshold workshops on 09.07.22, 17.09.22 and 24.09.22. In the workshops, for example, the motto „Tension“ will be experienced through dance improvisation. In addition, we will discuss what artistic research can mean and achieve for you.

The workshops will produce artistic contributions in the form of performative elements and creative audio and video sequences, which will be presented as part of the exhibition. Both you as artists and the scientists will contribute your understanding of research, which will be negotiated and reflected in the workshops both artistically and from an everyday perspective.

Methods from cultural education, theater pedagogy and organizational development will be used, for which we have already gained renowned cooperation partners.

With the participating citizens, a core of companions from civil society is formed, whose voices are included in the entire process of the project „Künstlerische Tatsachen“.



Panel at our Arts & Science Soiree 2021, Photo: Tina Peißker

## How can you get involved?

We are looking for artists who would like to visit the labs and engage with the research of the scientists. This exchange should then lead to exhibitable artworks according to your ideas.

Due to the space available, we are especially looking for visual artists. However, other art forms such as performing arts, literature and music are also welcome. We are especially happy about cross-disciplinary ways of working. Experience in the field of Arts & Science is desired.

Your working time will be accompanied by an opening event as well as workshops of the participatory program or our Arts & Science soirées. You should be willing to actively participate in the program, as our residency thrives on dialogue, exchange and presence. It is therefore important to us that you are on site for a large part of the residency period. We would be happy if you stay in contact with the scientists during the whole time and of course if you share the project through your channels.

After the end of the exhibition, we will take care of the safe storage of the work. As a central point of contact for interested parties, we take care of transport and price arrangements. In the future, we plan to organize smaller exhibitions in Central Germany from the works that emerge from the residencies. For this purpose we will sign a commission contract with you at the beginning of the program.

### Application process

After your application we will send you further material about the project and our scientific partners. Then you can propose preferences and first ideas until 03.06.22.

We will select participants by 06.06.22, taking into account feasibility, compatibility of research projects, quality, originality and diversity:

Application deadline	until 26.05.22
Revision	until 03.06.22
Decision	07.06.22

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Send your application to  
[info@kuenstlerische-tatsachen.de](mailto:info@kuenstlerische-tatsachen.de)



Project team and volunteers in summer 2021, Photo: Leonie Lindl

