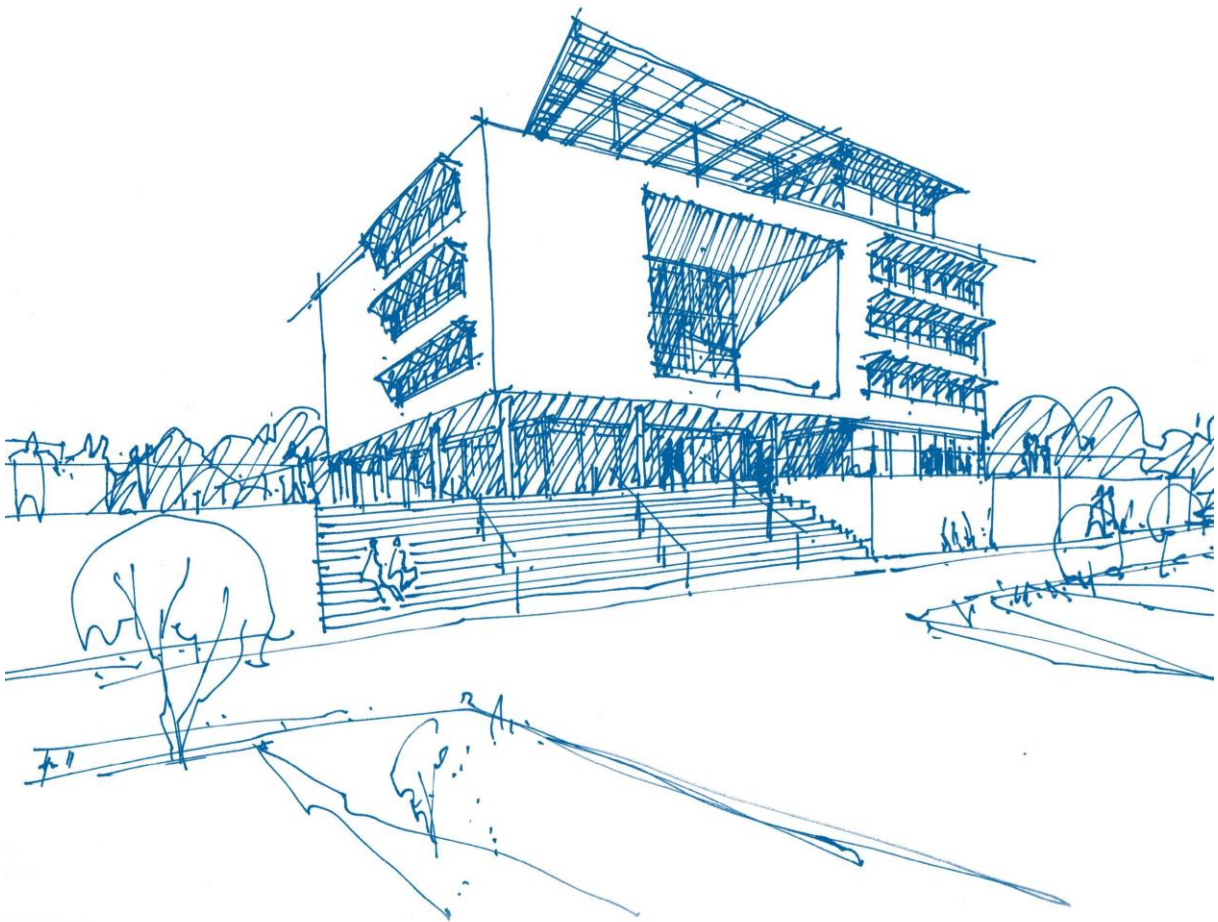


Nomination Guidelines for Fellowships TUM Institute for Advanced Study



October 2024

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Opportunities at the TUM Institute for Advanced Study

Fellowship Programs

The TUM Institute for Advanced Study (TUM-IAS) serves as a flagship institute for top-level international research at TUM, and has helped to drive the university's development into one of Germany's top academic institutions. The TUM-IAS Fellowship Program offers excellent guest scientists from academia and industry, as well as early-career scientists the chance to conduct world class, interdisciplinary research at TUM. The TUM-IAS creates room for developing top level interdisciplinary research free of administrative loads. "Risking Creativity" and the development of pioneering research areas comprise the philosophy of the Institute. This includes also different scientific initiatives which are devoted to the idea of sustainability. Furthermore, it is an explicit goal to support scientists to shape their careers and build up successful international collaborations. The TUM-IAS offers space for creative freedom. The Fellows define, develop, and establish new research fields together with TUM hosting professors and doctoral researchers (Focus Groups). They serve the purpose of interdisciplinary and intergenerational exchange between young and experienced scientists from all around the world. The main program at TUM-IAS is the Fellowship program, summarized in the following picture:

	Albrecht Struppier Fellowship for excellent senior physicians working at the TUM School of Medicine, the TUM University Hospital and the German Heart Centre Munich intending to carry out a research project at the intersection of medicine and another research field within the TUM portfolio		Anna Boyksen Fellowship for outstanding top-level female professors from outside TUM who intend to explore gender- and/or diversity-relevant topics in the context of the TUM subject portfolio
	Carl von Linde Fellowship for excellent TUM faculty members		Dieter Schwarz Fellowship for renowned international scientists from outside TUM who intend to explore innovative, high-risk topics in the key areas researched at the TUM Campus Heilbronn
	Hans Fischer Fellowship for outstanding early-career international scientists from outside TUM Hans Fischer Senior Fellowship for renowned international scientists from outside TUM		Dieter Schwarz Courageous Research Grant for outstanding international scientists from outside TUM who intend to use groundbreaking technology to propose a radical solution to a major challenge in the area of "Digitization and Sustainability" Philosopher in Residence Fellowship for internationally leading and emerging representatives of the field of philosophy from outside TUM
	Rudolf Diesel Industry Fellowship for highly qualified researchers from industry		Rudolf Mößbauer Tenure Track Professorship for outstanding, high-potential early-career scientists
TUM Global Visiting Professor Program		Visiting Fellowship for Alumni Fellows	

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The Fellowships offered by TUM-IAS are subdivided into ten categories. With these programs, TUM-IAS seeks to attract scholarly talent on senior- and early-career-level both from inside TUM and from around the globe, as well as researchers from the industry. In addition, TUM-IAS offers a short-term Visiting Fellowship to its Alumni Fellows to continue or revive their collaboration with TUM, and encourages scientists who would like to explore the possibility of a long-term TUM-IAS Fellowship to consider a first, shorter visit via the TUM Global Visiting Professor Program.

Details about each type of Fellowship are given in the following.

Albrecht Struppler Clinician Scientist Fellowship



Target Group and Aim: The Albrecht Struppler Clinician Scientist Fellowship is designed for physicians working at the TUM School of Medicine and Health, TUM University Hospital or German Heart Centre Munich who intend to further develop an independent research profile while at the same time continuing their clinical qualification. The Fellowship is aimed at outstanding, high-potential early-career scientists who have already or will shortly receive their certification as medical specialist (Facharzt/-ärztin) and who have already successfully secured third-party funding. The Fellowship offers a relief of 50% from clinical

duties, which gives Fellows time to carry out a transdisciplinary research project in collaboration with scientists from a school different from the TUM School of Medicine and Health.

Background: The Fellowship is named after Albrecht Struppler (1919-2009), the first holder of a chair of neurology at TUM and a pioneer in building a bridge from the neurosciences to engineering. With this Fellowship, the TUM-IAS would like to encourage out-of-the-box ideas and cross-disciplinary exchange that may otherwise get lost in the busy everyday clinical routine, and reinforce health and medical sciences with perspectives and expertise from non-medical disciplines.

Duration: The Fellowship lasts three years during which the Fellow will continue their clinical duties to a reduced extent (relief of 50%). The regulations of the applicant's home clinic at TUM regarding leave times have to be met by the Fellow.

Connection to a TUM school other than the TUM School of Medicine and Health: Since it is the aim of this Fellowship to bridge medicine with other scientific fields represented at TUM, a cooperation partner/group from a TUM school other than the TUM School of Medicine and Health must be identified in advance of the application. If applicable, this cooperation partner confirms to grant the Fellow use of facilities at their school (research, office, etc.).

TUM-IAS Connection: During the Fellowship, the Fellow is welcome to make use of the office space at the TUM-IAS building (long-term or short-term use possible). The Fellow should also actively contribute to interdisciplinary TUM-IAS events.

Funding: Since the Fellowship offers relief of 50% from the Fellow's clinical duties, 50% of the Fellow's salary (TV Ärzte Ä2/Ä3) will be paid by TUM-IAS for the three years of the Fellowship (with the remaining part continuing to be paid by the Fellow's home clinic at TUM). The Fellowship also comprises 15k € per year for consumables, travel, workshop organization etc., and funding for a doctoral candidate (TV-L E13, 75%) for three years or a postdoctoral researcher (TV-L E13/E14 position, 100%) for two years. The Fellow's home clinic at TUM will cover 50% of the funding for the doctoral candidate or postdoctoral researcher.

Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by funding agencies; funds will be administered by the TUM-IAS) and their time.

Supervision of doctoral candidates: The doctoral candidate will be co-advised by the Fellow and their senior mentors at the TUM School of Medicine and Health and the co-hosting TUM school. Doctoral candidates should be pursuing graduation as Dr. rer. nat., Dr. med. (dent.) sci. or PhD. The doctoral work should be performed mainly during the Fellowship time; therefore, the search and hiring process of a candidate should be accomplished within three months after the Fellowship appointment.

How to apply: Please submit the following application documents:

- a cover page (available for download),
- a letter of support (1-2 pages) by the chair/head physician of the applicant's home clinic at TUM (including the confirmation that 50% of the accompanying personnel costs will be covered by the applicant's home clinic at TUM),
- a letter of support (1-2 pages) from the dean of the TUM School of Medicine and Health, TUM University Hospital or German Heart Centre Munich,
- a letter of support (1-2 pages) from the dean of the school of the cooperation partner/group,
- a CV (no more than 5 pages) including a list of secured third-party funding,
- a list of major publications (please highlight the 3-5 most important publications of the past five years),
- a statement of purpose (no more than 5-10 pages) jointly signed by the candidate and their collaborator(s) outside the TUM School of Medicine and Health, describing the state of the art of research and knowledge gaps in the relevant field, how the Fellowship would contribute to the innovation of the scientific or technological environment at TUM, and the specific goals to be achieved. The statement of purpose should also include the following elements:
 - an abstract,
 - a budget and a time plan,
 - an identification of possible additional (interdisciplinary) collaboration partners both within TUM-IAS and within TUM as well as a short explanation as to why this collaboration would be beneficial for the outlined research project,
 - an outline for an international workshop/colloquium, to be organized at the TUM-IAS during the active Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25) – if applicable, also a list of persons who should be excluded from reviewing the proposal.

Evaluation: Decisions will be made by the TUM-IAS director in mutual agreement with the dean of the TUM School of Medicine and Health, supported by external reviews and advised by the TUM-IAS Advisory Council including a representative of the TUM School of Medicine and Health. Decisions will be sent via email within six months.

Calls: Nominations for this Fellowship program are possible as soon as the next call is published.

Anna Boyksen Fellowship



Target Group: Outstanding top-level female professors from outside TUM who intend to explore gender- and/or diversity-relevant themes in the context of the TUM subject portfolio together with a TUM research group are eligible for a TUM-IAS Anna Boyksen Fellowship. It is not possible to apply for the Fellowship on one's own, but a nomination must be made by a TUM professor who acts as a host and close collaboration partner at TUM. At the time of

nomination, nominees should expect to remain employed at their home institution for the duration of their Fellowship. The proposal is to be submitted jointly by the nominee and the planned TUM host.

Background: The Fellowship is named after Anna Boyksen, the first female engineering student at TUM (1906).

Duration/Stays at TUM: The Fellowships last two years, during which Fellows are expected to spend a total of three to six months at TUM. In this way, TUM-IAS intends to further a lasting and productive connection on an international level.

Funding and Fellowship award: Anna Boyksen Fellows receive max. €50,000 for travel, accommodation and research-related costs (depending on the length of their stay). Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by funding agencies; the funds are administered by the TUM-IAS) and their time. In addition, Anna Boyksen Fellows receive an award of max. €20,000 which will be transferred to the Fellow typically in two to three installments. This prize money is at the Fellow's free disposal and does not need to be disclosed or justified.

Anna Boyksen Visiting Fellowship: For those scientists who cannot make the requirement of several months' stays at TUM, TUM-IAS offers Visiting Fellowships. TUM-IAS supports these short stays with travel and accommodation funding.

Tandem nomination: It is possible to nominate an Anna Boyksen Fellowship candidate as part of a "tandem package" together with a Hans Fischer (Senior) Fellowship candidate. However, this is not mandatory – it is also possible to only nominate one candidate for an Anna Boyksen Fellowship.

For more information on tandem nominations, please see Hans Fischer (Senior) Fellowship (page 11 or page 13).

How to apply: Please submit the following application documents:

- a cover page (available for download),
- a nomination letter (1-2 pages) by a TUM professor (host), including a description of the facilities provided for the Fellow by the TUM host institute as well as a confirmation from the host that he/she expects to hold a professorship at TUM for the duration of the Fellowship (if not, please indicate an additional host who would then take over),
- a nomination letter (1-2 pages) from the dean of the hosting school or another member of the TUM Extended Board of Management (EHP) or TUM-IAS Board of Trustees,
- a CV (no more than 5 pages),
- a list of major publications (please highlight the 3-5 most important publications of the past five years),
- a statement of purpose (no more than 5-10 pages) jointly signed by the nominee and the hosting professor, describing the state of the art of research and knowledge gaps in the relevant field, how the Fellowship would contribute to the innovation of the scientific environment at TUM, and the specific goals to be achieved. Moreover, it should be clearly indicated to what extent the research

project covers gender- and/or diversity-related topics. The statement of purpose should also include the following elements:

- an abstract,
- a budget plan and a time plan regarding the nominee's projected periods of stay at TUM,
- an identification of possible additional (interdisciplinary) collaboration partners both within TUM-IAS and within TUM as well as a short explanation as to why this collaboration would be beneficial for the outlined research project,
- an outline for an international, ideally interdisciplinary workshop/colloquium, to be organized at the TUM-IAS during the active Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25) – if applicable, also a list of persons who should be excluded from reviewing the proposal.

In terms of collaboration with China, we ask you to follow the recommendations of the [TUM China Wiki](#).

Evaluation: A multi-stage evaluation procedure is carried out, as shown on page 23. However, decisions on the award will be made in consultation with the TUM Senior Vice President Talent Management and Diversity and the TUM Gender & Diversity Board.

Calls: Nominations for this Fellowship program are possible as soon as the next call is published.

Carl von Linde Fellowship



Target Group: The Carl von Linde Fellowship is aimed at TUM professors who have made excellent, internationally recognized achievements in research and who wish to pursue research work of particular originality and a high degree of innovation ("high risk - high gain"), preferably in an interdisciplinary team with other TUM-IAS Fellows.

Background: The Fellowship is named after TUM professor Carl von Linde (1842-1934), who invented the air liquefaction and founded the "Linde's Eismaschinen" company in 1879.

Aim: Carl von Linde Fellows are expected to provide substantial scientific leadership towards the creation of new research areas at TUM, and to contribute substantially to the intellectual life of the TUM-IAS and the university.

The TUM-IAS awards up to two Carl von Linde Fellowships each year.

Duration: The Carl von Linde Fellowship lasts two years, along with the opportunity to fully devote time to the development of the new research area.

Funding: Support for Carl von Linde Fellows consists of €250,000 with a duration of two years. The Carl von Linde Fellows can be released from teaching duties if desired, in which case a substitute professorship can be financed from the funding to provide teaching.

Appointment: The President of TUM and the TUM-IAS director agree on suitable candidates for the Carl von Linde Fellowships, taking into account university-strategic considerations. Following a decision by the TUM Management Board, candidates are presented to the TUM-IAS Board of Trustees for evaluation. After the Board's approval, the Carl von Linde Fellows are appointed by the President of TUM and the TUM-IAS director.

Dieter Schwarz Fellowship



Target Group: Outstanding international scientists from outside TUM who intend to explore innovative, high-risk topics in the key areas researched at the TUM Campus Heilbronn together with a TUM research group are eligible for a Dieter Schwarz Fellowship. Candidates primarily have expertise in information, engineering, economics, political or social sciences. It is not possible to apply for the Fellowship on one's own, but a nomination must be made by a

TUM professor (preferably located on the TUM Campus Heilbronn) who acts as a host and close collaboration partner at TUM. At the time of nomination, nominees should expect to remain employed at their home institution for the duration of their Fellowship. The proposal is to be submitted jointly by the nominee and the planned TUM host.

Background: This Fellowship is funded by the Dieter Schwarz Foundation to promote the research areas of the TUM Campus Heilbronn through international cooperation with other universities and research institutions.

Duration/Stays at TUM: The Fellowships last three years with the expectation that the Fellow will spend a total of at least nine months at TUM (which can be divided individually into several stays). In this way, TUM-IAS intends to further a lasting and productive connection on an international level.

Dieter Schwarz Fellows will automatically receive the benefits of a TUM-IAS Visiting Fellow for the year following the end of their tenure. Support includes up to €10,000 for non-European or up to €5,000 for European travel to TUM and accommodation expenses. Afterward, Alumni Fellows may apply for a [Visiting Fellowship](#), depending on the availability of funds.

Funding and Fellowship award: Dieter Schwarz Fellows receive €50,000 for travel, accommodation, and research-related costs, such as the organization of workshops, etc. Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by funding agencies; the funds are administered by the TUM-IAS) and their time. In addition, Dieter Schwarz Fellows receive an award of €60,000 which will be transferred to the Fellow typically in two to three installments. This prize money is at the Fellow's free disposal and does not need to be disclosed or justified.

Doctoral candidate: Dieter Schwarz Fellows receive support for one doctoral candidate at TUM (TV-L E13 position (max. 75%) for three years), who will be co-advised by the TUM host professor and the Dieter Schwarz Fellow. Dieter Schwarz Fellows have the right to award doctorates (Promotionsrecht). The doctoral candidate is encouraged to spend a significant part of their studies abroad at the home institute of the Fellow. The doctoral work should be performed mainly during the Fellowship time; therefore the search and hiring process of a candidate should be accomplished within six months after the Fellowship appointment. In exceptional cases, TUM-IAS may also consider a limited post-doc position, within the same financial framework.

Tandem nomination: As is the case for some of our Fellowships, also nominations for the Dieter Schwarz Fellowship require a tandem nomination, i.e. each prospective host has to nominate two candidates for a Fellowship. At least one of these candidates must be a female researcher. Both nominations will be evaluated individually according to our usual multi-stage evaluation procedure (please see page 23 for further details). Tandem nominations can be for the same or for several [Fellowship categories](#) (options: Dieter Schwarz Fellowship candidate plus Dieter Schwarz Fellowship candidate, Dieter Schwarz Fellowship candidate plus Hans Fischer (Senior) Fellowship candidate, or

Dieter Schwarz Fellowship candidate plus Rudolf Diesel Industry Fellowship candidate). From the proposed tandem, both nominees may be successful, or one, or none.

How to apply: Please submit the following application documents:

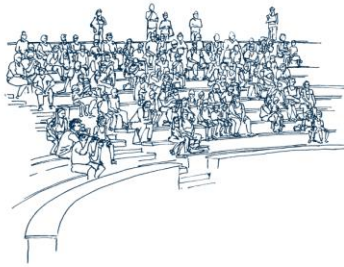
- a cover page (available for download),
- a nomination letter (1-2 pages) by a TUM professor (host), including a description of the facilities provided for the Fellow by the TUM host institute as well as a confirmation from the host that he/she expects to hold a professorship at TUM for the duration of the Fellowship (if not, please indicate an additional host who would then take over), a nomination letter (1-2 pages) from the dean of the hosting school or another member of the EHP or TUM-IAS Board of Trustees,
- a CV (no more than 5 pages),
- a list of major publications (please highlight the 3-5 most important publications of the past five years),
- a statement of purpose (no more than 5-10 pages) jointly signed by the nominee and the hosting professor, describing the state of the art of research and knowledge gaps in the relevant field, how the Fellowship would contribute to the innovation of the scientific or technological environment at TUM, and the specific goals to be achieved. The statement of purpose should also include the following elements:
 - an abstract,
 - a budget plan,
 - a time plan regarding the nominee's projected periods of stay at TUM,
 - an identification of possible additional (interdisciplinary) collaboration partners both within TUM-IAS and within TUM as well as a short explanation as to why this collaboration would be beneficial for the outlined research project,
 - an outline for an international, ideally interdisciplinary workshop/colloquium, to be organized at the TUM-IAS during the active Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25) – if applicable, also a list of persons who should be excluded from reviewing the proposal.

In terms of collaboration with China, we ask you to follow the recommendations of the [TUM China Wiki](#).

Evaluation and Data Policy: Due to the provision of financial resources for this Fellowship, a representative of the Dieter Schwarz Foundation will be involved in the selection process (please see page 23) by having the right to attend the meetings of the TUM-IAS Advisory Council (without voting right). In addition, a representative of a partner university of the “Joint Global Research Hub” (Oxford Internet Institute, University of Oxford, Stanford University, Hebrew University Jerusalem, HEC Paris, ETH Zurich) is entitled to attend these meetings (also without voting right). As the Dieter Schwarz Fellow resides abroad, TUM may disclose certain documents relating to the Fellowship to the Dieter Schwarz Foundation for tax reasons.

Calls: Calls will be published once a year on the TUM-IAS website. Please submit applications according to the instructions published with the call. Decisions will be sent via email within six months.

Dieter Schwarz Courageous Research Grant



Target Group: Outstanding international scientists from outside TUM who intend to use groundbreaking technology to propose a radical solution to a major challenge in the area of “**Digitization and Sustainability**” together with a TUM research group are eligible for this Fellowship. It is not possible to apply for the Grant on one's own, but a nomination must be made by a TUM professor who acts as a host and close collaboration partner at TUM. At the time of

nomination, nominees should expect to remain employed at their home institution for the duration of their Fellowship. The proposal is to be submitted jointly by the nominee and the planned TUM host.

Background: The Dieter Schwarz Courageous Research Grant is funded by the Dieter Schwarz Foundation to promote bold project ideas. This will give leading international talents in global competition the opportunity to collaborate with TUM in conducting promising "High Risk - High Gain" research projects.

Duration/Stays at TUM: The Fellowships last three years, with the expectation that the Fellow will spend a total of at least nine months at TUM (which can be divided individually into several stays). In this way, TUM-IAS intends to further a lasting and productive connection on an international level.

Grantees will automatically receive the benefits of a TUM-IAS Visiting Fellow for the year following the end of their tenure. Support includes up to €10,000 for non-European or up to €5,000 for European travel to TUM and accommodation expenses. Afterwards, Alumni Fellows may apply for a [Visiting Fellowship](#), depending on the availability of funds.

Funding and Fellowship award: The grant comprises a total amount of one million euros. Fellows receive €690,000 for expenses of the research group, in particular for personnel costs (research staff to be employed at TUM), research-related costs, travel, and accommodation. €250,000 is available for publicity measures, for example, citizens' events or specialist conferences. Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by funding agencies; the funds are administered by the TUM-IAS) and their time. In addition, Fellows receive an award of €60,000 which will be transferred to the Fellow typically in two to three installments. This prize money is at the Fellow's free disposal and does not need to be disclosed or justified.

How to apply: Please submit the following application documents:

- a cover page (available for download),
- a nomination letter (1-2 pages) by a TUM professor (host), including a description of the facilities provided for the Fellow by the TUM host institute as well as a confirmation from the host that he/she expects to hold a professorship at TUM for the duration of the Fellowship (if not, please indicate an additional host who would then take over),
- a nomination letter (1-2 pages) from the dean of the hosting school or another member of the EHP or TUM-IAS Board of Trustees
- a CV (no more than 5 pages),
- a list of major publications (please highlight the 3-5 most important publications of the past five years),
- a statement of purpose (no more than 10 pages) jointly signed by the nominee and the hosting professor, describing the state of the art of research and knowledge gaps in the relevant field, how the Fellowship would contribute to the innovation of the scientific or technological environment at

TUM, and the specific goals to be achieved. The statement of purpose should also include the following elements:

- an abstract,
- a budget plan,
- a time plan regarding the nominee's projected periods of stay at TUM,
- an identification of possible additional (interdisciplinary) collaboration partners both within TUM-IAS and within TUM as well as a short explanation as to why this collaboration would be beneficial for the outlined research project,
- an outline for an international, ideally interdisciplinary workshop/colloquium, to be organized at the TUM-IAS during the active Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25) – if applicable, also a list of persons who should be excluded from reviewing the proposal.

In terms of collaboration with China, we ask you to follow the recommendations of the [TUM China Wiki](#).

Evaluation and Data Policy: Due to the provision of financial resources for this research grant, a representative of the Dieter Schwarz Foundation will be involved in the selection process (please see page 23) by having the right to attend the meetings of the Selection Committee (without voting rights). In addition, the Dieter Schwarz Foundation is given the opportunity to propose an additional external member for the Selection Committee (also without voting rights). As the Fellow resides abroad, TUM may disclose the documents relating to the research grant to the Dieter Schwarz Foundation for tax reasons.

Calls: Calls will be published once a year on the TUM-IAS website. Please submit applications according to the instructions published with the call. Decisions will be sent via email within six months.

Hans Fischer Fellowship



Target Group: Outstanding early-career (doctorate completed within the past 12 years) international scientists from outside TUM who intend to explore innovative, high-risk topics in their scientific research areas together with a TUM Research Group are eligible for a TUM-IAS Hans Fischer Fellowship. Proposals related to the field of sustainability are encouraged and very welcomed. It is not possible to apply for the Fellowship on one's own, but a nomination

must be made by a TUM professor who acts as a host and close collaboration partner at TUM. At the time of nomination, nominees should expect to remain employed at their home institution for the duration of their Fellowship. The proposal is to be submitted jointly by the nominee and the planned TUM host.

Background: This Fellowship is named after TUM professor Hans Fischer (1881-1945), who was awarded the Nobel Prize in Chemistry in 1930 for his pioneering work on hemoglobin and related structures.

Duration/Stays at TUM: The Fellowships last three years with the expectation that the Fellow will spend a total of at least nine months at TUM (which can be divided individually into several stays). In this way, the TUM-IAS intends to further a lasting and productive connection on an international level.

Hans Fischer Fellows will automatically receive the benefits of a TUM-IAS Visiting Fellow for the year following the end of their tenure. Support includes up to €10,000 for non-European or up to €5,000 for European travel to TUM and accommodation expenses. Afterwards Alumni Fellows may apply for a Visiting Fellowship, depending on the availability of funds.

Funding and Fellowship award: Hans Fischer Fellows receive €50,000 for travel, accommodation and research-related costs, such as the organization of workshops, etc. A further €30,000 can be allocated to the Fellowship if required (e.g. for projects with special experimental needs). This further funding requires a separate application to the TUM-IAS office and will be granted on the basis of quality, need, and availability of funds. Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by funding agencies; the funds are administered by the TUM-IAS) and their time. In addition, Hans Fischer Fellows receive an award of €30,000 which will be transferred to the Fellow typically in two to three installments. This prize money is at the Fellow's free disposal and does not need to be disclosed or justified.

Doctoral candidate: Hans Fischer Fellows receive support for one doctoral candidate at TUM (TV-L E13 position (max. 75%) for three years), who will be co-advised by the TUM host professor and the Hans Fischer Fellow. Hans Fischer Fellows have the right to award doctorates (Promotionsrecht). The doctoral candidate is encouraged to spend a significant part of their studies abroad at the home institute of the TUM-IAS Fellow. The doctoral work should be performed mainly during the Fellowship time, therefore, the search and hiring process of a candidate should be accomplished within six months after the Fellowship appointment. In exceptional cases, TUM-IAS may also consider a limited post-doc position, within the same financial framework.

Tandem nomination: Nominations for Hans Fischer and Hans Fischer Senior Fellowships (including the Siemens and TUM GNI Fellowships, not including the Regional Fellowships) require a tandem nomination, i.e. each prospective host must nominate two potential Fellows, at least one of whom must be a female scientist. Both nominations will be evaluated individually according to our usual multi-stage evaluation procedure (please see page 23 for further details). Tandem nominations can be for the same or for several [Fellowship categories](#) (options: Hans Fischer Fellowship candidate plus

Hans Fischer (Senior) Fellowship candidate, Hans Fischer Fellowship candidate plus Dieter Schwarz Fellowship candidate, or Hans Fischer Fellowship candidate plus Rudolf Diesel Industry Fellowship candidate). From the proposed tandem, both nominees may be successful, or one, or none. (Please note: A combination with the Anna Boyksen Fellowship is no longer possible, as no applications are currently being accepted for this program).

How to apply: Please submit the following application documents:

- a cover page (available for download),
- a nomination letter (1-2 pages) by a TUM professor (host), including a description of the facilities provided for the Fellow by the TUM host institute as well as a confirmation from the host that he/she expects to hold a professorship at TUM for the duration of the Fellowship (if not, please indicate an additional host who would then take over),
- a nomination letter (1-2 pages) from the dean of the hosting school or another member of the EHP or TUM-IAS Board of Trustees,
- a CV (no more than 5 pages),
- a list of major publications (please highlight the 3-5 most important publications of the past five years),
- a statement of purpose (no more than 5-10 pages) jointly signed by the nominee and the hosting professor, describing the state of the art of research and knowledge gaps in the relevant field, how the Fellowship would contribute to the innovation of the scientific or technological environment at TUM and the specific goals to be achieved. The statement of purpose should also include the following elements:
 - an abstract,
 - a budget plan,
 - a time plan regarding the nominee's projected periods of stay at TUM,
 - an identification of possible additional (interdisciplinary) collaboration partners both within TUM-IAS and within TUM as well as a short explanation as to why this collaboration would be beneficial for the outlined research project,
 - an outline for an international, ideally interdisciplinary workshop/colloquium, to be organized at the TUM-IAS during the active Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25) – if applicable, also a list of persons who should be excluded from reviewing the proposal.

Proposed Fellows must have completed their doctorate within the last 12 years (allowance can be made for special circumstances like parental leave). Candidates may be asked to provide evidence of employment at their home institute for the duration of the Fellowship.

In terms of collaboration with China, we ask you to follow the recommendations of the [TUM China Wiki](#).

Evaluation: Please see page 23.

Calls: Calls will be published once a year on the TUM-IAS website. Please submit applications according to the instructions published with the call. Decisions will be sent via email within six months.

Hans Fischer Senior Fellowship



Target Group: Outstanding international scientists from outside TUM who intend to explore innovative, high-risk topics in their scientific research areas together with a TUM research group are eligible for a TUM-IAS Hans Fischer Senior Fellowship. Proposals related to the field of sustainability are encouraged and very welcomed. It is not possible to apply for the Fellowship on one's own, but a nomination must be made by a TUM professor who acts

as a host and close collaboration partner at TUM. At the time of nomination, nominees should expect to remain employed at their home institution for the duration of their Fellowship. The proposal is to be submitted jointly by the nominee and the planned TUM host.

Background: This Fellowship is named after TUM professor Hans Fischer (1881-1945), who was awarded the Nobel Prize in Chemistry in 1930 for his pioneering work on hemoglobin and related structures.

Duration/Stays at TUM: The Fellowships last three years with the expectation that the Fellow will spend a total of at least nine months at TUM (which can be divided individually into several stays). In this way, TUM-IAS intends to further a lasting and productive connection on an international level.

Hans Fischer Senior Fellows will automatically receive the benefits of a TUM-IAS Visiting Fellow for the year following the end of their tenure. Support includes up to €10,000 for non-European or up to €5,000 for European travel to TUM and accommodation expenses. Afterwards Alumni Fellows may apply for a Visiting Fellowship, depending on the availability of funds.

Funding and Fellowship award: Hans Fischer Senior Fellows receive €50,000 for travel, accommodation, and research-related costs, such as the organization of workshops, etc. A further €50,000 can be allocated to the Fellowship if required (e.g. projects with special experimental needs). This further funding requires a separate application to the TUM-IAS office and will be granted on the basis of quality, need, and availability of funds. Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by the funding agencies; funds are administered by the TUM-IAS) and their time. In addition, Hans Fischer Senior Fellows receive an award of €60,000 which will be transferred to the Fellow typically in two to three installments. This prize money is at the Fellow's free disposal and does not need to be disclosed or justified.

Doctoral candidate: Hans Fischer Senior Fellows receive support for one doctoral candidate at TUM (TV-L E13 position (max. 75%) for three years), who will be co-advised by the TUM host professor and the Hans Fischer Senior Fellow. Hans Fischer Senior Fellows have the right to award doctorates (Promotionsrecht). The doctoral candidate is encouraged to spend a significant part of their studies abroad at the home institute of the TUM-IAS Fellow. The doctoral work should be performed mainly during the Fellowship time, therefore the search and hiring process of a candidate should be accomplished within six months after the Fellowship appointment. In exceptional cases, TUM-IAS may also consider a limited post-doc position, within the same financial framework.

Tandem nomination: Nominations for Hans Fischer and Hans Fischer Senior Fellowships (including the Siemens and TUM GNI funded Fellowships, not including the Regional Fellowships) require a tandem nomination, i.e. each prospective host must nominate two potential Fellows, at least one of whom must be a female scientist. Both nominations will be evaluated individually according to our usual multi-stage evaluation procedure (please see page 23 for further details). Tandem nominations can be for the same or for several [Fellowship categories](#) (options: Hans Fischer Senior Fellowship candidate plus Hans Fischer (Senior) Fellowship candidate, Hans Fischer Senior Fellowship candidate

plus Dieter Schwarz Fellowship candidate, or Hans Fischer Senior Fellowship candidate plus Rudolf Diesel Industry Fellowship candidate). From the proposed tandem, both nominees may be successful, or one, or none. (Please note: A combination with the Anna Boyksen Fellowship is no longer possible, as no applications are currently being accepted for this program).

How to apply: Please submit the following application documents:

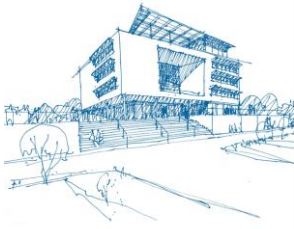
- a cover page (available for download),
- a nomination letter (1-2 pages) by a TUM professor (host), including a description of the facilities provided for the Fellow by the TUM host institute as well as a confirmation from the host that he/she expects to hold a professorship at TUM for the duration of the Fellowship (if not, please indicate an additional host who would then take over),
- a nomination letter (1-2 pages) from the dean of the hosting school or another member of the EHP or TUM-IAS Board of Trustees,
- a CV (no more than 5 pages),
- a list of major publications (please highlight the 3-5 most important publications of the past five years),
- a statement of purpose (no more than 5-10 pages) jointly signed by the nominee and the hosting professor, describing the state of the art of research and knowledge gaps in the relevant field, how the Fellowship would contribute to the innovation of the scientific or technological environment at TUM and the specific goals to be achieved. The statement of purpose should also include the following elements:
 - an abstract,
 - a budget plan,
 - a time plan regarding the nominee's projected periods of stay at TUM,
 - an identification of possible additional (interdisciplinary) collaboration partners both within TUM-IAS and within TUM as well as a short explanation as to why this collaboration would be beneficial for the outlined research project,
 - an outline for an international, ideally interdisciplinary workshop/colloquium, to be organized at the TUM-IAS during the active Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25) – if applicable, also a list of persons who should be excluded from reviewing the proposal.

In terms of collaboration with China, we ask you to follow the recommendations of the [TUM China Wiki](#).

Evaluation: Please see page 23.

Calls: Calls will be published once a year on the TUM-IAS website. Please submit applications according to the instructions published with the call. Decisions will be sent via email within six months.

Philosopher in Residence Fellowship



Target Group: The Philosopher in Residence Fellowship is aimed at internationally leading and emerging representatives of the field of philosophy wishing to carry out a joint project with a TUM professor (or several TUM professors, if cooperation in a group is suitable) from the fields of natural sciences, engineering, life sciences including medicine and health sciences, economics or social sciences. Applicants are completely free in their choice of topics. It is not possible to apply for the Fellowship on one's

own, but the proposal is to be submitted jointly by the applicant and a TUM professor who acts as a host and close collaboration partner at TUM.

Background: Innovative developments in modern scientific and technical disciplines are often accompanied by implications that require deeper philosophical consideration and embedding. This is what the Philosopher in Residence Program aims to do: promotion of discourse between philosophy and other sciences and public debate about the conclusions of this interdisciplinary exchange. Furthermore, this Fellowship is to be located within the framework of the TUM Agenda 2030, which pursues a stronger integration of the humanities (e. g. Human Centered Engineering).

This program is supported by the TÜV SÜD Foundation.

Duration/Stays at TUM: The Fellowship is scheduled for twelve months, at least four of which will be spent at TUM. We promote philosophical engagement with the latest research and innovative approaches in the above areas.

Funding and Fellowship award: The TUM-IAS Philosopher in Residence is endowed with €30,000 for research-related costs, travel expenses and housing. In addition, the TUM-IAS Philosopher in Residence receives an award of €70,000. The publication of the results and the organization of a workshop at TUM-IAS are expected. Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by funding agencies; the funds are administered by the TUM-IAS) and their time. The award, which will be transferred to the Fellow typically in two installments, is at the Fellow's free disposal and does not need to be disclosed or justified.

Conditions: The program is designed for internationally renowned scholars in the field of philosophy (degree and/or doctorate and/or a chair/current academic position in philosophy) from outside TUM with doctoral degrees and advanced academic experience (at least five years after the doctorate) whose interests lie at the interface of philosophy and one of the disciplines at TUM.

How to apply: Please submit the following application documents:

- a cover page (available for download),
- a supporting letter (1-2 pages) by a TUM professor (host),
- a supporting letter by the dean of the TUM professor's School,
- a CV (no more than 5 pages),
- a list of major publications (please highlight the 3-5 most important publications of the past five years),
- a statement of purpose (no more than 5-10 pages) jointly signed by the applicant and the hosting professor, describing how the Fellowship would contribute to scientific innovation, and the specific issues to be investigated (including their social relevance, if applicable). The statement of purpose should also include the following elements:
 - an abstract,
 - a budget plan,

- a time plan regarding the applicant's projected period(s) of stay at TUM,
- an outline for an international, interdisciplinary workshop/colloquium, to be organized at the TUM-IAS during the Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25); if applicable, also a list of persons that should be excluded from reviewing the proposal.

In terms of collaboration with China, we ask you to follow the recommendations of the [TUM China Wiki](#).

Evaluation: Please see page 23.

Calls: Calls will be published once a year on the TUM-IAS website. Please submit applications according to the instructions published with the call. Decisions will be sent via email within six months.

Rudolf Diesel Industry Fellowship



Target Group: The TUM-IAS Rudolf Diesel Industry Fellowship is designed for outstanding researchers from industry who would like to expand their connection to a TUM research group. Proposals related to the field of sustainability are encouraged and very welcomed. It is not possible to apply for the Fellowship on one's own, but a nomination must be made by a TUM professor who acts as a host and close collaboration partner at TUM. The proposal is to be submitted jointly by the nominee and the planned TUM host.

Aim: It is the Fellowship's purpose to enhance collaboration and knowledge-sharing between research units at TUM and company research laboratories. To increase international collaboration, TUM-IAS especially welcomes applications from companies from outside Germany.

Background: The Fellowship is named after Rudolf Diesel (1858-1913), who was a TUM student with Prof. Carl von Linde. In 1897, Diesel invented the combustion principle that is named after him.

Duration/Nature of the Fellowship: The Fellowship lasts three years, during which the Fellow continues to be employed by their company. It is based on a joint proposal by the nominee and the TUM host professor. Throughout the affiliation period, the Rudolf Diesel Industry Fellows may offer special courses and lectures in their field of expertise to enhance the connection between university and industry. Fellows are expected to develop an intensive collaboration with their hosting Focus Group, to participate in TUM-IAS programs and events, and to organize activities such as a workshop, public talks, or speakers' series in order to contribute to the intellectual life of the IAS and the university.

Funding: The Fellow receives a research fund (up to €20.000) for travel, accommodation and research related costs (e.g. organizing a workshop) depending on the length of their actual stay at TUM. Fellows will be given a maximum degree of freedom as to how they utilize these funds (within bounds set by funding agencies; the funds are administered by the TUM-IAS).

Doctoral candidate: Rudolf Diesel Industry Fellows receive financial support for one doctoral candidate at TUM (TV-L E13 position (max. 75%) for three years), who will be co-advised by the TUM host professor and the Rudolf Diesel Industry Fellow. The doctoral work should be performed mainly during the Fellowship time, therefore the search and hiring process of a candidate should be accomplished within six months after the Fellowship appointment. In exceptional cases, TUM-IAS may also consider a limited post-doc position, within the same financial framework.

Tandem nomination: It is possible to nominate a Rudolf Diesel Industry Fellowship candidate as part of a "tandem package" together with a Hans Fischer (Senior) or Dieter Schwarz Fellowship candidate. However, this is not mandatory – it is also possible to only nominate a candidate for a Rudolf Diesel Industry Fellowship. For more information on tandem nominations, please see Hans Fischer (Senior) Fellowship (page 11 or page 13).

How to apply: Please submit the following application documents:

- a cover page (available for download),
- a nomination letter (1-2 pages) by a TUM professor (host), including a description of the facilities provided for the Fellow by the TUM host institute as well as a confirmation from the host that he/she expects to hold a professorship at TUM for the duration of the Fellowship (if not, please indicate an additional host who would then take over),

- a nomination letter (1-2 pages) from the dean of the hosting school or another member of the EHP or TUM-IAS Board of Trustees,
- a CV (no more than 5 pages),
- a list of major publications (please highlight your 3-5 most important publications of the past five years),
- a statement of purpose (no more than 5-10 pages) jointly signed by the nominee and the hosting professor, describing the content of the joint research, its innovative potential and the concrete implementation plans. This statement should also include
 - an abstract,
 - a budget plan,
 - a time plan regarding the nominee's projected periods of stay at TUM,
 - an identification of possible additional (interdisciplinary) collaboration partners both within TUM-IAS and within TUM as well as a short explanation as to why this collaboration would be beneficial for the research project outlined,
 - an outline for an international, ideally interdisciplinary workshop/colloquium, to be organized at the TUM-IAS during the active Fellowship period,
- a list of 4-6 international peer-reviewers without any conflict of interest (definition: please see page 25) – if applicable, also a list of persons who should be excluded from reviewing the proposal.

The TUM-IAS may ask its Rudolf Diesel Industry Fellows to provide a proof of employment with their company for the duration of their Fellowship.

In terms of collaboration with China, we ask you to follow the recommendations of the [TUM China Wiki](#).

Evaluation: Please see page 23.

Calls: Calls will be published once a year on the TUM-IAS website. Please submit applications according to the instructions published with the call. Decisions will be sent via email within six months.

Rudolf Mößbauer Tenure Track Assistant Professorship



Target Group: Within the comprehensive TUM Faculty Tenure Track system, TUM-IAS created a special Fellowship offering merit-based academic career options from the appointment as *Assistant Professor* through a permanent position as *Associate Professor* and on to *Full Professor*. Rudolf Mößbauer Tenure Track Professorships are intended for outstanding, high-potential early-career scientists who have already achieved a major scientific or technological breakthrough and who have the ambition of developing a new field of endeavor when joining TUM (as a Tenure Track Assistant Professor).

Background: This Fellowship is named after TUM professor Rudolf Mößbauer (1929-2011), who was awarded the Nobel Prize in Physics in 1961 for his research concerning the resonance absorption of gamma radiation and his discovery in this connection of the effect that bears his name.

Aim: TUM-IAS Fellows are expected to develop independent and vigorous programs, including the acquisition of research funds and the societal positioning of their fields. Besides the development of their research, Fellows are expected to participate in TUM-IAS programs and organize activities in order to contribute to the intellectual life of the IAS and the university. Furthermore, candidates should be committed to excellence in undergraduate/graduate teaching and in supervising doctoral candidates, although the emphasis of the professorship lies in the creative development of the proposed new field of science and/or technology.

Funding: The Rudolf Mößbauer Tenure Track Professorship consists of a salary according to the W pay scale (initially grade W2) for up to six years, the funding of a research assistant (TV-L E13), and an expense account for research support.

Tenure Track career path: The initial appointment will be for 6 years. After positive evaluation in the final year, the Rudolf Mößbauer Tenure Track Fellow is tenured on an Associate Professor level (permanent position). In exceptional cases, the tenure evaluation may be initiated after a minimum of three years. Such cases will be justified by outstanding achievements and by contributions strategically shaping the university's profile. The regulations according to the "[TUM Faculty Recruitment and Career System](#)" apply.

Prerequisites:

- University degree and doctoral degree or equivalent scientific qualification
- Two years of postdoctoral experience during which the applicant has achieved scientific independence
- Strong track record during the postdoctoral phase and demonstration of pedagogical and personal aptitude
- International research experience (usually evidenced by at least 1 year of academic experience abroad during the doctorate and/ or postdoc phase)
- Teaching skills at the university level and additional academic achievements

How to apply: TUM's application guidelines for professorships apply. Please see here: <https://www.tum.de/en/about-tum/careers-and-jobs/faculty-recruiting/faqs>

Evaluation: TUM-IAS follows the TUM Faculty Tenure Track Entry Evaluation procedure (for detailed information please see [here](#)) to evaluate the quality of the proposals. Decisions will be sent via email within six months.

Visiting Fellowship for Alumni Fellows

Aim: TUM-IAS awards the “Visiting Fellowship for Alumni Fellows” to Alumni Fellows who would like to continue or revive their collaboration with a TUM host and/or group. The Visiting Fellowship for Alumni is available for a period of up to three months. All Alumni Fellows from institutions other than TUM are welcome to apply.

Funding: The Visiting Fellowship for Alumni Fellows contains funding for travel and local accommodation. The overall amount will be appointed individually by TUM-IAS and depends on various factors e.g. the length of the period of stay. The funding can only be used for the Alumnus/a Fellow. (If you have family obligations and cannot travel by yourself, please discuss this with the TUM-IAS management.) Costs will be reimbursed on the basis of tickets, invoices etc.; it is not possible to transfer the funding to the Alumnus/a Fellow’s account.

How to apply: TUM-IAS awards the Visiting Fellowship for Alumni Fellows on the basis of a nomination by a TUM professor (usually the former host).

- Nominations can be made at any time of the year.
- A nomination must include the current CV of the nominee (including a list of the most important 3-5 publications) and a statement of purpose (~2 pages) jointly written by the Alumnus/a Fellow and the nominator. The statement of purpose describes the scientific collaboration planned for the visit, including any planned talks or other scientific events. It should also provide information on the proposed length and period of stay, a budget plan, and practical arrangements for hosting the nominee (TUM-IAS can provide assistance and accommodation as well as office facilities).
- Alumni Fellows can apply for one Visiting Fellowship per year.

The director of TUM-IAS will decide on the award after consultation with the staff of TUM-IAS, taking budgetary considerations into account.

For other scientists interested in visiting TUM and/or the TUM-IAS for a short period of time, please see the [TUM Global Visiting Professor Program](#).

General Information about Fellowships

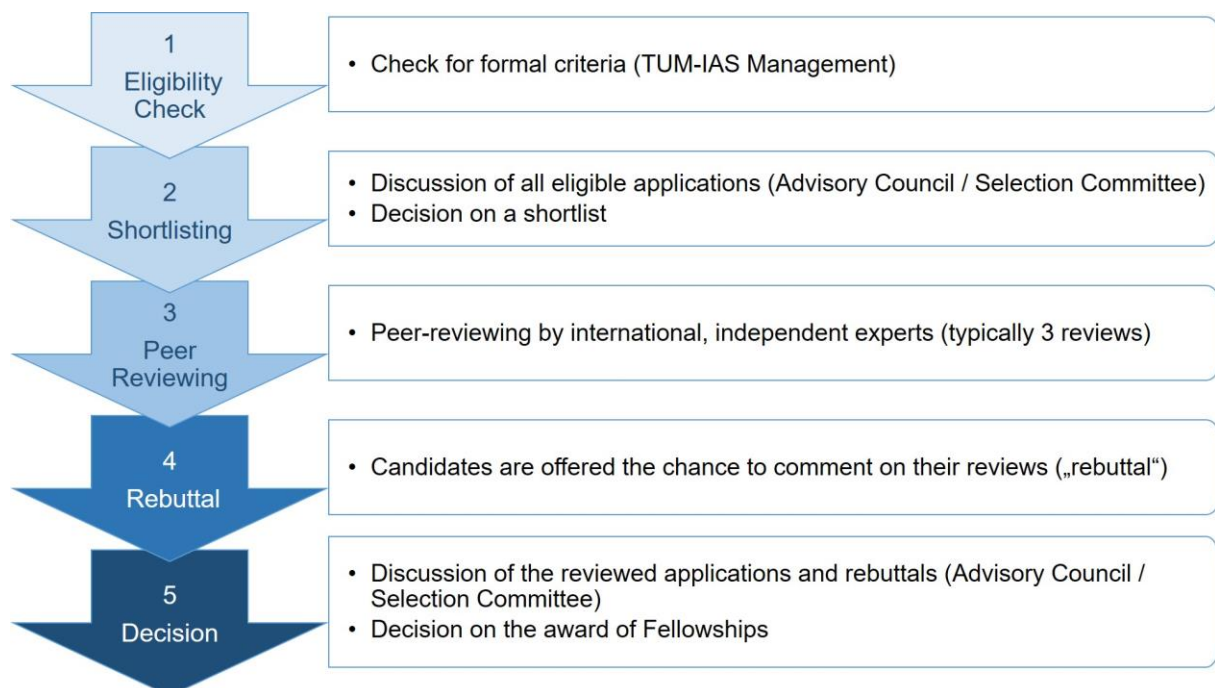
- In order to enhance successful nominations, a preliminary discussion with the TUM-IAS office is highly recommended.
- The President of TUM and the TUM-IAS director agree on suitable candidates for the Carl von Linde Fellowships, taking into account university-strategic considerations. Following a decision by the TUM Management Board, candidates are presented to the TUM-IAS Board of Trustees for evaluation. After the Board's approval, the Carl von Linde Fellows are appointed by the President of TUM and the TUM-IAS director. An independent peer-review process is used to select the Albrecht Struppler, Anna Boyksen, Dieter Schwarz (Fellowship / Courageous Research Grant), Hans Fischer (Senior) and Rudolf Diesel Industry Fellows as well as the Philosophers in Residence. A detailed description of the evaluation process can be found on page 23. TUM-IAS follows the TUM Faculty Tenure Track Entry Evaluation procedure (please see [here for details](#)) to evaluate the quality of the proposals for Rudolf Mößbauer Tenure Track Professorships. Visiting Fellowships for Alumni Fellows are decided on a case by case basis by the TUM-IAS director.
- All Fellows are “embedded” in the school to which their host belongs, and receive all the benefits, accommodation and honors the respective school provides to its guest scientists.
- Rudolf Diesel Industry Fellows: TUM-IAS has an IPR agreement/concept that covers mutual IPR rights and duties in the cooperation between TUM and the company or university of the Fellow, via the research unit they are participating in. The agreement is in accordance with the purposes of the Fellowship. These purposes aim at the expansion of the mutual scientific and technological knowledge base for the benefit of both parties and the enhancement of the cooperation between research groups at TUM and other universities or companies. The IPR agreements are typically dealt with on a case-by-case basis. For TUM employees different rules apply as stated in the respective TUM employment arrangements.
- For Fellowships that comprise funding for a doctoral candidate, TUM-IAS funds doctoral candidates by paying a TV-L E13 position (max. 75%) for three years.
- Doctoral candidates and postdoctoral researchers are part of the TUM-IAS community. In case of changes in personnel, the TUM-IAS office must be informed immediately, and the further procedure will then be discussed.
- Fellows will be allocated an office space in the TUM-IAS building in Garching depending on need and availability. Postdoctoral researchers and doctoral candidates connected to Fellows may also be accommodated.
- TUM-IAS will provide assistance to all non-Munich-based Fellows in search of accommodation for themselves and/or their families.
- Travel expenses of Albrecht Struppler, Anna Boyksen, Dieter Schwarz (Fellowship / Courageous Research Grant), Hans Fischer (Senior), and Rudolf Diesel Industry Fellows as well as Philosophers in Residence to Munich will be covered by their research fund. To present the research of the Focus Group, travel costs to conferences can also be covered by their research fund. The TUM-IAS office requires further documentation on these expenses (conference program/paper/poster/ presentation; invitation letter for a lecture).

Evaluation Process

TUM-IAS follows a strict multi-stage evaluation procedure to ensure the high quality of its Fellowships. The process presented here applies to the Albrecht Struppler Clinician Scientist Fellowship, the Dieter Schwarz Fellowship, the Dieter Schwarz Courageous Research Grant, the Hans Fischer / Hans Fischer Senior Fellowship, the Rudolf Diesel Industry Fellowship and the Philosopher in Residence Fellowship.

The evaluation committee typically involved is the **TUM-IAS Advisory Council**, consisting mainly of TUM professors, and in case of the Dieter Schwarz Fellowship, in addition of a representative of the Dieter Schwarz Foundation* and a representative of a partner university* of the “Joint Global Research Hub” (Oxford Internet Institute, University of Oxford, Stanford University, Hebrew University Jerusalem, HEC Paris, ETH Zurich).

In case of the Dieter Schwarz Courageous Research Grant, a separate **Selection Committee** is involved, consisting of representatives of TUM and external experts: TUM-IAS Director, Vice President TUM Campus Heilbronn, TUM Senior Vice President Research and Innovation, a representative of the TUM Heilbronn Data Science Center / Munich Data Science Institute, a representative of The Federal Agency for Disruptive Innovation SPRIND, a representative of the Dieter Schwarz Foundation* and a representative of a partner university of the “Joint Global Research Hub” (Oxford Internet Institute, University of Oxford, Stanford University, Hebrew University Jerusalem, HEC Paris, ETH Zurich). In addition, the Dieter Schwarz Foundation is given the opportunity to propose an additional external member* for the Selection Committee.



- Stage 1** All applications undergo a first eligibility check by the TUM-IAS management with regard to the formal criteria of the respective Fellowship types. All eligible proposals are then made available to the Advisory Council (or in case of the Dieter Schwarz Courageous Research Grant, the Selection Committee).
- Stage 2** The Advisory Council (or in case of the Dieter Schwarz Courageous Research Grant, the Selection Committee) comes together to review and discuss all proposals and advises the TUM-IAS director which proposals to put on a shortlist.
- Stage 3** All shortlisted proposals are peer-reviewed by international independent experts (for more information, see page 25) in the candidates' respective fields of research. A number of experts have been suggested by the candidate, others have been selected by TUM-IAS. All peer reviewers receive a detailed questionnaire with which to structure their review in order to ensure a maximum of comparability despite the multidisciplinary nature of the proposals.
- Stage 4** The anonymized peer reviews are sent to the candidates for commenting ("rebuttal") to ensure a maximum of transparency for the candidates and their hosts.
- Stage 5** The Advisory Council (or in case of the Dieter Schwarz Courageous Research Grant, the Selection Committee) comes together for a second time to review the shortlisted applications as well as the reviews and their rebuttals. On this basis, the Advisory Council (or in case of the Dieter Schwarz Courageous Research Grant, the Selection Committee) recommends to the TUM-IAS director which Fellows to appoint (taking budgetary considerations into account).

* Without voting rights.

Conflicts of Interest

All shortlisted applications/nominations are evaluated by independent reviewers. In order to ensure that there is no actual or potential conflict of interest, we must ask any reviewers to refrain from evaluating the proposal if the following circumstances apply:

1. First-degree relationships, marriage, life partnership, domestic partnership with the applicant/nominee and/or host.
2. Personal (financial) interest in the proposal's success or (financial) interest by persons listed under no. 1.
3. Current (within the past three years) or planned close scientific cooperation with the applicant and/or host.
4. Dependent supervisory relationship (e.g. teacher-student relationship up to and including the postdoctoral phase) with the applicant and/or host, extending six years beyond the conclusion of the relationship.
5. The affiliation or pending transfer to the department or to the non-university research institute of the applicant/nominee or host.
6. Any other situation that would compromise the ability to unbiasedly evaluate the proposal.

Responsibilities of Fellows

TUM-IAS fosters an active community of scientists based on dialogue and communication and therefore expects a few direct contributions from its Fellows and hosts, in particular:

- The Fellows are expected to spend a certain time of their Fellowship (as stated in the letter of appointment) at TUM, preferably in one of the TUM-IAS offices.
- For administrative purposes, we expect the Fellow to announce every stay in Munich to the responsible program manager at least two weeks in advance. Failure to do so may result in the declaration of expenses related to this stay as non-eligible.
- The mission of TUM-IAS is to develop new, excellent research areas at TUM and to promote the building up of a functioning interdisciplinary community generating new ideas and researcher networks. Therefore, during their stays at TUM Fellows are expected to really use the premises provided by TUM-IAS and participate in common activities including Wednesday Coffee Talks, Fellows' Lunches, the General Assembly and TUM-IAS lectures. These events have a core importance in the Mission of the IAS and repeated absences are strongly discouraged.
- The Fellows should actively participate in TUM-IAS programs and events, and organization of activities such as an inaugural lecture, a workshop, public talk, or speakers' series in order to contribute to the intellectual life of the IAS and TUM.
- The Fellows are obliged to state the TUM-IAS address in scientific publications related to their Fellowship, which, among other reasons, is essential for the correct evaluation of the TUM-IAS scientific output. The correct address designation is: Institute for Advanced Study, Technical University of Munich, Lichtenbergstrasse 2 a, D-85748 Garching, Germany.
- Any publications made in the context of a TUM-IAS Fellowship must include a statement acknowledging the (partial) support from TUM-IAS (as well as other funding agencies or sponsors, if applicable) in publications, including articles, books, etc. The [TUM Publications Guidelines](#) apply. Since the TUM-IAS Fellows receive funding from various sources, please refer to your Fellowship agreement for the exact wording for your acknowledgment.
- Acknowledgment of the support from the TUM-IAS (and the TUM-IAS funding agencies and sponsors, if applicable) should include the affiliation on the Fellows' homepages and inclusion of the TUM-IAS (and funding agencies' and sponsors') logos on publications, posters, presentations, etc. Logos are made available to the Fellow upon their appointment.
- Any patent applications filed by or on behalf of the Fellow in the context of a TUM-IAS Fellowship must include a statement acknowledging the (partial) support from TUM-IAS (as well as other funding agencies or sponsors, if applicable). Since the TUM-IAS Fellows receive funding from various sources, please refer to your Fellowship agreement for the exact wording for your acknowledgement.
- TUM-IAS generates an annual report on the research activities of the IAS. Fellows must provide text and graphic material on their research activities to be included in these publications.
- Fellows are asked to provide data for the TUM-IAS webpage including research interests, publications, and upcoming events and workshops for their Focus Group.
- Key performance data of the Fellowship, i.e. publications, patents, conference presentations, major projects, and collaborations started, etc. have to be provided after the three-year tenure, in the form of a final written report on the Fellowship results.

Responsibilities of Doctoral Candidates and Postdoctoral Researchers funded by TUM-IAS

- Doctoral candidates and postdoctoral researchers funded via a TUM-IAS Fellowship are members of the TUM-IAS community and are expected to make active use of the opportunities provided by the TUM-IAS e.g. the interdisciplinary exchange with other researchers during the weekly Wednesday Coffee Talks (during the three-year financing over the IAS doctoral candidates are expected to attend ca. 30 of these events).
- When planning a longer stay abroad (more than four weeks) at the Fellow's home institution, doctoral candidates and postdoctoral researchers are strongly encouraged to get in touch with the responsible program manager at their earliest convenience to discuss what can and cannot be financed via the Fellowship funds. Please note that the Bavarian Travel Expense Law (Bayerisches Reisekostengesetz) applies.
- Doctoral candidates and postdoctoral researchers are obliged to state the TUM-IAS address in scientific publications related to their Fellowship, which, among other reasons, is essential for the correct evaluation of the TUM-IAS scientific output. The correct address designation is: Institute for Advanced Study, Technical University of Munich, Lichtenbergstrasse 2 a, D-85748 Garching, Germany.
- Doctoral candidates and postdoctoral researchers are expected to acknowledge the TUM-IAS support in all publications and presentations as well as, if applicable, in the doctoral thesis.
- Since the TUM-IAS Fellows receive funding from various sources, please refer to the TUM-IAS Fellowship agreement for the exact wording for your acknowledgement.
- A link to the doctoral thesis on mediaTUM will be published on the IAS website. Please get in touch with the TUM-IAS office after the successful disputation of your thesis.
- Acknowledgment of the TUM-IAS affiliation and inclusion of the TUM-IAS logo (and logos of other funding agencies or sponsors, if applicable) on publications, posters, presentations, etc. Failure to do may cause a rejection of the respective travel cost reimbursement request.

TUM-IAS operations and funding decisions are primarily based on TUM's financial regulations. On the TUM-IAS webpage you can find a FAQ list (including general financial and administrative questions) which is intended to be a helpful guideline for the preparation of reimbursement requests.

Start-up Support for Exploratory Workshops

For members of the TUM-IAS community, e.g. Alumni Fellows or Alexander von Humboldt Awardees, the TUM-IAS offers start-up support to foster the exploration of new scientific areas or topics mainly via the organization of exploratory workshops.

Exploratory workshops aim to engage an international community of researchers to spend a few days in Munich in both formal and informal presentations and discussions on new ideas and developments. Use of these funds is limited, and potential organizers will typically have to arrange for additional funding through other means. The funds cannot be used for supporting regular seminars or conferences or already ongoing collaborations. The contribution to such an event will be in the range of € 4,000, to be negotiated with the TUM-IAS management team. In addition, applicants are encouraged to use the TUM-IAS building as an event venue (upon availability). The TUM-IAS management team shall be happy to provide prospective organizers with further information.

To apply for Start-up support, TUM-IAS members hand in a short proposal describing the project, the overall budget, and the funds required.

Start-up support will normally not be granted to Fellows during their active Fellowship period when the Fellows have access to their (considerably larger) Fellowship funds.

Research Areas and Focus Groups

Focus Groups form the local, topical and organizational units of the TUM-IAS. Typically, a Fellow, their host, and, if applicable, the doctoral candidate/postdoctoral researcher funded by the Fellowship form a Focus Group; if it makes sense, there may be larger Focus Groups with several Fellows and/or several hosts and/or several other members working together. The Fellow and the host will decide on the denomination of the Focus Group. All Focus Groups are presented on the TUM-IAS website with a short abstract on their project and will be asked to present their results in the TUM-IAS Annual Report after the end of the Fellowship. Focus Groups exist as long as active long-term Fellows are participating in them (formally up to a maximum of one year after the tenures of the last Fellows have terminated). TUM-IAS encourages its Focus Groups to ensure their sustainability by actively pursuing new Fellowship proposals.

TUM-IAS is Fellow-driven, not thematically driven. However, big themes emerge dynamically and are further developed over time. All Focus Groups are therefore assigned to certain [Research Areas](#), which cover a wide range of innovative, interdisciplinary fields. While the Fellowships can only last for a limited period of time, it is their purpose to establish sustainable, long-term research collaborations that are embedded in the TUM schools.

Hosts

Several Fellowship types require a nomination by a TUM professor who would like to closely collaborate with the Fellow for a number of years, and who will serve as host to the Fellow. For these Fellowships, applications/self-nominations are not possible. The host will in this case also be the formal supervisor and employer ("Dienstherr/in") of the doctoral student/postdoctoral researcher at TUM funded by the Fellowship. The host will usually enable the Fellow to work at the host's chair during their stay by granting lab access, basic office equipment, an office workplace etc.

TUM-IAS Community Members

Alexander von Humboldt Awardees

A memorandum of understanding between the Alexander von Humboldt Foundation and TUM-IAS was signed on May 7, 2009 to promote the integration of Humboldt Awardees into TUM-IAS. The TUM-IAS welcomes the Humboldt Professors as Honorary Fellows and members of the TUM-IAS community. Humboldt Research Awardees are appointed Honorary Hans Fischer Senior Fellows and members of the TUM-IAS community. They provide for very much appreciated new ideas and strengthening of the scientific work at TUM. At TUM-IAS they find a natural environment where they can smoothly merge into the scientific proceedings of our university.

ERC Grant Awardees

ERC (starting, consolidator, advanced, and proof of concept) grantees become Honorary Fellows and members of the TUM-IAS community in recognition of their high quality of work and success on this highly competitive program of the EU.

Gottfried Wilhelm Leibniz Prize Winners

The TUM-IAS welcomes the Gottfried Wilhelm Leibniz Prizewinners as Honorary Fellows and members of the TUM-IAS community. This prize is the highest honor awarded in German research and aims to improve the working conditions of outstanding scientists and academics, expand their research opportunities, relieve them of administrative tasks, and help them employ particularly qualified early-career researchers, very much in accordance with the TUM-IAS philosophy.

TUM Distinguished Affiliated Professors

TUM Distinguished Affiliated Professors are major international personalities in research who have decisively advanced and put their stamp on their disciplines. Therefore, they are considered as Honorary Fellows and members of the TUM-IAS community.

TUM Liesel Beckmann Distinguished Professors

Liesel Beckmann Distinguished Professorships take their name from the first woman professor at Technische Hochschule München, as the university was known in her time. The honorary title is bestowed on full professors at TUM who have significantly advanced their scientific field. This distinction is combined with an Honorary Fellowship and membership at TUM-IAS.

Discontinued Programs

TUM August-Wilhelm Scheer Visiting Professors

August-Wilhelm Scheer Visiting Professorships were awarded by the TUM Global and Alumni Office to scientists with an outstanding international reputation who wished to engage in an intensive collaboration with TUM researchers for one to two semesters. The program was replaced by the TUM Global Visiting Professor Program in 2019.

TÜV Süd Stiftung Visiting Professors

TÜV Süd Stiftung Visiting Professorships were awarded to short-term visiting scientists collaborating with TUM professors on the following topics: energy efficiency and climate protection, test procedures, product and plant safety, and compliance management. The program was replaced in 2016 with the Hans Fischer (Senior) Fellowship awarded by the TÜV Süd Foundation.

Amalie Baur Fellows

The Amalie Baur Fellowship was established at TUM in 2016 to attract and promote excellent early career scientists from social and cultural sciences, which otherwise would have no access to the TUM or the TUM-IAS. The Fellowship was named after Amalie Baur, the first woman who completed her doctorate at TUM (Dr. Ing., 1918). The Fellowship was intended for outstanding early career scientists, who had completed their doctorate within the past 12 years. The funding was provided either by the TUM Board of Management or by one of the TUM departments.

The Amalie Baur Fellowship is currently suspended.

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