40 YEARS OF EXCELLENCE IN MEDICINE
The Ernst Jung Prize for Medicine was awarded for the first time in the year of the death of the donor. The event, which gained much acclaim in the world of medicine, is therefore also celebrating its 40th birthday this year.

The coincidence of three anniversaries is a good occasion to look back at what has already been achieved on behalf of and according to the wishes of the founder. The results validate the idea behind the Foundation: Many of the projects recognized and supported by Jung Foundation awards became milestones of medical research, contributed significantly to clinically relevant innovations, and led to new therapies. Again and again, the Ernst Jung Prize for Medicine also proved to be a biographical highlight of exceptional scientific careers, which was usually followed by other great honours, including two Nobel Prizes.

In this year characterised by three special occasions, a look back at smaller anniversaries also seems appropriate: Last year the Ernst Jung Gold Medal for Medicine was awarded for the 25th time. The Ernst Jung Career Advancement Award for Medical Research is also celebrating ten successful years of promoting highly qualified young scientists. Thus, the year 2016 provides not just one but multiple reasons to remember and honour the generous founder and his humanistic enterprise.
The logo of the Jung Foundation represents its basic ideas and concerns in the form of a stylised oak tree.

The roots of the foundation are the humanitarian nature of the founder, the trunk stands for its energy, while the Aesculapian snake, the symbol of medicine, serves as a support. The three branches represent the three prize categories: The first marks the beginning, the second the high point and the third the balance of success of a life’s work in medical research. The leaves are symbols for the prize winners, the fruits for medical achievement.
The Jung Foundation for Science and Research is a reliable and competent partner of international and interdisciplinary research in human medicine. Its Executive Board and Scientific Advisory Board seek and maintain contact with many physician-scientists, and thus have a sure feeling for upcoming breakthroughs and promising results. They also deliberately contribute to retain or attract back excellent research personalities to Hamburg.

On behalf of the Senate, I thank you for this impressive commitment!

Katharina Fegebank
Deputy Mayor and Senator for Science, Research and Equality in Hamburg
Following the tradition of Hamburg merchants, the entrepreneur Ernst Jung assumed social responsibility, which continues to have an impact even today. For forty years, honouring scientific excellence has enabled groundbreaking innovations in medical care. The residents of Hamburg are not the only ones who benefit from this. The exceptional research results also benefit our companies by helping in the development of new medical products and services. The principles of the Foundation therefore provide direction, both for the health care economy and for the economy as a whole. The mottoes "Reward special ability“ and "Promote free thinking“ describe what characterizes successful companies.

The Jung Foundation for Science and Research thus embodies our motto of "Hamburg is on fire for science and innovation“ in the best sense of the word. On behalf of Hamburg merchants, I would like to thank you for your commitment to our city and sincerely congratulate you on this special anniversary!

Fritz Horst Melsheimer
Praeses
Hamburg Chamber of Commerce
"Ernst Jung was a self-made man, entrepreneur and philanthropist, but was most importantly a bold, independent personality with a pronounced sense of community."
Hamburger Abendblatt of 13 January 1976

"As a merchant he was a realist, as a donor a philanthropist."
Professor Dr. phil. Rudolf Haas, companion of Ernst Jung, in his speech on the 100th birthday of Ernst Jung in 1996
The Philosophy

For a more humane human medicine.

1 Special ability deserves special recognition: We honour outstanding achievements with a form of appreciation that is not just praise, but actually rewards.

2 Rewarding and promoting free thinking: The Ernst Jung Gold Medal for Medicine also enables the laureate to freely assign a scholarship, and thus underlines how valuable and important it is to ensure freedom of research for the next generation.

3 Making knowledge noticeable: Our awards contribute to the recognition of new discoveries and insights.

4 Alleviating misery is essential: The Foundation sets priorities for the honouring of approaches that lead to clinically effective new therapy options. The patient’s well-being is the guideline and benchmark.

5 Finding answers before the questions become urgent: The early, anticipatory development of approaches to solutions can prevent or at least reduce dangers.

6 Doing work that’s not only disciplined, but interdisciplinary as well: The awards also honour the contributions of other disciplines to medical progress.

7 Helping to shape the future in Germany: The Career Advancement Award offers outstanding young researchers an economically secure opportunity to return to Germany.

8 Promoting expertise is taking responsibility for the entire community: Our prizes contribute to improving a healthy quality of life and are thus a form of practiced social responsibility.

9 Promoting research without fixating on disciplines: The prizes honour already achieved or imminent benefits. Clinical relevance is the core criterion.

10 Helping humans is a preeminent human duty: The desire to help and the actual help achieved are primary criteria.
"The Jung Foundation supports approaches that have the potential to bring about progress in the form of new, clinically effective therapeutical approaches. Progress here primarily means progress in the healing arts."

Rolf Kirchfeld, Chairman of the Executive Board. Previously member of the board of the Vereins- und Westbank AG in Hamburg

"The work of the Foundation is a real benefit for our society: With its prizes it promotes both basic research and practical application and thus improves the situation of patients."

Jochen Spethmann, Deputy Chairman of the Executive Board. Co-owner and CEO of Laurens Spethmann Holding in Seevetal

"The commitment of the Jung Foundation contributes considerably to further harmonising the needs of research and the needs of patients by deliberately targeting research that help relieve human suffering."

Dr. Christian Flach, member of the Executive Board. CEO of Marquard & Bahls AG in Hamburg

"The Jung Foundation purposefully realises the central philosophy of the Foundation, to accompany human medicine on the path toward increasingly more humane medicine. It also promotes exceptional young scientists in order to provide a long term contribution to the progress of medicine."

Professor Dr. rer. nat. Hans-Ulrich Moritz, member of the Executive and Scientific Boards. Professor at the Institute for Technical and Macromolecular Chemistry, University of Hamburg
"Those who invest in science and want to admire the results of their action must wait for a long time in order to not be disappointed. It is therefore especially wonderful that a Hamburg merchant had the foresight to establish a foundation for medical research."
Professor Christian Büchel, MD, member of the Scientific Advisory Board. Director of the Institute for Systemic Neurosciences of the University Hospital Hamburg-Eppendorf

"Scientific findings are often complicated and progress occurs in both quantum leaps and in small steps. The Ernst Jung Prize underlines important achievements in biomedical research and invites interested parties to become involved with research and its results. Its impact thus extends far beyond the honouring of the single scientist."
Professor Roland Martin, MD, member of the Scientific Advisory Board. Medical Director of the Hospital for Neurology, University of Zurich

"Renowned research prizes are an important motivator for extraordinary achievements, especially in times in which a career in research involves many uncertainties and risks."
Professor Wulf Palinski, MD FRCP, Deputy Chairman of the Scientific Advisory Board. Professor in the Department of Medicine, University of California San Diego

"The Ernst Jung Prize for Medicine honours extraordinary scientific achievements: Results that not only contribute to the comprehension of the origins of diseases, but which also open up new possibilities for therapies."
Professor Dr. rer. nat. Ernst Hafen, Chairman of the Scientific Advisory Board. Professor at the Institute of Molecular Systems Biology of the ETH in Zürich

"Science is always teamwork. The Ernst Jung Prize for Medicine therefore equally honours both the prize winner and the numerous employees, without which the results couldn't have been achieved at all. In addition to this, the prize also motivates work in the future."
Professor Dr. rer. nat. Reinhard Jahn, member of the Scientific Advisory Board. Director of the Department of Neurobiology at the Max Planck Institute for Biophysical Chemistry in Göttingen

"The Ernst Jung Prize for Medicine honours pioneering work in basic research at the highest level and discoveries that provide very important findings on diseases."
Professor F. Ulrich Hartl, MD, member of the Scientific Advisory Board. Director of the Department of Cellular Biochemistry at the Max Planck Institute for Biochemistry in Munich-Martinsried

"Those who invest in science and want to admire the results of their action must wait for a long time in order to not be disappointed. It is therefore especially wonderful that a Hamburg merchant had the foresight to establish a foundation for medical research."
Professor Christian Büchel, MD, member of the Scientific Advisory Board. Director of the Institute for Systemic Neurosciences of the University Hospital Hamburg-Eppendorf
The Prizes

Initial support for outstanding medicine, promoting research and honouring achievements.

Three prizes with different emphasis and purposes stand at the center of the many activities of the Jung Foundation for Science and Research. They cover the three main phases of a scientific career: The start and continuing development of independent research projects, top level research that promises to result in therapeutic innovations and completed achievements that provided an important contribution to medical progress.

A total of **120 prize winners** have received one of these three prizes to date.

When one considers all three prizes together, the disciplines of immunology, oncology and neurosciences are represented most often. Other important areas: Nephrology, biochemistry, cellular biology, genetics, pathology, pharmacology and molecular biology.

In the first 40 years of its existence, the Jung Foundation for Science and Research has promoted medical progress with a total to date of **11.4 million Euros**.

To date, ten of the eleven distinguished laureates originate from **Germany**.

Around half of the young researchers dedicate their attention to oncological questions, one third to immunology and around a fifth to the natural sciences.

The **Ernst Jung Career Advancement Award for Medical Research** has been awarded since 2006. The year 2016 is thus an important anniversary for this young scientist award. The award is endowed with **210,000 Euros**, usually issued over a period of three years. It should in particular enable young, elite medical practitioners employed at foreign universities, institutions and hospitals to return to the **science location of Germany**, to continue with their research and to begin or complete their specialist physician training. The Ernst Jung Career Advancement Award is the only one of the Foundation’s awards which can be **directly applied for**.
The Foundation has to date awarded **2.16 million Euros** for the Ernst Jung Career Advancement Award.

The **Ernst Jung Prize for Medicine** is the most traditional prize of the Foundation. This prize serves the purpose of advancing promising, future-oriented research of indisputably high level. The Ernst Jung Price, currently amounting to **300,000 Euros**, is one of the best-endowed medical science awards in Germany. It honours work in the field of medicine which is of **particular clinical significance** and can be expected to lead to new therapeutical approaches.

39 prize winners came from **Germany**, 22 from the USA. A further 20 Ernst Jung Prizes for Medicine were awarded to scientists from the Netherlands, Belgium, Switzerland, France, the United Kingdom and Austria.

The **first female prize winner** in 2001 was Professor Christine Petit from the Institute Pasteur in Paris whose work focuses on genetics and molecular biology.

The prize money awarded to date to the **81 recipients** amounts to more than **8.4 million Euros**.

The **Ernst Jung Gold Medal for Medicine** honours a life-time of outstanding research achievements and substantial advancement of medical science and clinical practice. The medal winners include pioneers in the development of medicine. The medal is not endowed with prize money, but also provides impulses for younger generations: The medal is accompanied by the right to award a **scholarship** to the amount of **30,000 Euros** to a young, elite scientist of their own choice.

The medal was initiated in 1990. The winner of the **first medal** was an American scientist, Professor Beatrice Mintz, whose pioneering contributions to cancer research are considered “milestones in cancer”.

To date, **28 young researchers** selected by the medal winners have been supported with approximately **850,000 Euros**.
Human medicine as understood by the donor Ernst Jung originates in the combination of the meticulousness of the natural sciences and the therapeutic goals committed to the well-being of patients. Its basic prerequisite is the freedom of research. The foundation awards intend to and are designed to ensure such freedom.

"The recognition of my research work positioned to date neglected andrology [...] into the focus of general interest [...] .“
Prof. em. Dr. h. c. Eberhard Nieschlag, MD, Institute for Reproductive Medicine, Westfälische Wilhelms-Universität, Münster, prize winner 1996

"[The prize is] a great honour, but at the same time also represents an obligation to achieve even better and more important research results."
Prof. Dr. rer. nat. Thomas J. Jentsch, MD, Leibniz Institute for Molecular Pharmacology in the Forschungsverbund Berlin, prize winner 2001

"Thanks to the Jung Foundation, funds for realising even more daring scientific projects were available".
Prof. Peter H. Krammer, MD, German Cancer Research Centre, Heidelberg, prize winner 2000

"This made it possible for us to dare something entirely new [...] . It wouldn't have been possible to clearly formulate or approve such a research project. And yet, it worked and is in the meantime being carried out worldwide."
Prof. Martin J. Lohse, MD, Institute for Pharmacology and Toxicology, Julius-Maximilians-Universität, Würzburg, prize winner 2000

"Medical practitioners can only be named such when the ultimate purpose of their efforts is healing", wrote Rudolf Virchow, and described the basis of successful medical research as observations, experiments, thinking that is not subject to any influence of authorities and the checking of results "without prejudice". The great pioneer of modern medicine thus formulated four principles to which the canon of values of the Jung Foundation for Science and Research is also obliged.
"The prize of the Jung Foundation made it possible for me to employ an additional staff member who was able to concentrate completely on research. That significantly aided our scientific work."
Prof. Dr. h. c. Michael Frotscher, MD, Centre for Molecular Neurobiology ZMNH, Universität Hamburg, prize winner 2002

"First of all, the award from the Jung Foundation was a big motivation for myself and my working group to continue our work [...] with the utmost intensity."
Prof. Dr. rer. nat. Reinhard G. Lührmann, Max Planck Institute for Biophysical Chemistry, Göttingen, prize winner 2003

"The fact that the Jung Foundation cited [our] discovery bolstered the importance of the work, and certainly contributed to the general acceptance of the findings in subsequent years."
Stuard A. Lipton MD PhD, The Burnham Institute, La Jolla, California, prize winner 2004

"The Ernst Jung Prize has [...] also contributed to me being able to take two extraordinarily fruitful sabbaticals at Harvard and Stanford."
Prof. Dr. rer. nat. Tobias Bonhoeffer, Max Planck Institute for Neurobiology, Munich-Martinsried, prize winner 2004

"The Ernst Jung Prize made it possible for me to explore new directions of research. [...] Research funds that are not bound to a particular project are indispensible for such new beginnings."
Prof. Dr. rer. nat. Angelika Amon PhD, Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology MIT, Cambridge/USA, prize winner 2013

"[The Ernst Jung Prize] has [...] also contributed to me being able to take two extraordinarily fruitful sabbaticals at Harvard and Stanford."
Prof. Dr. rer. nat. Tobias Bonhoeffer, Max Planck Institute for Neurobiology, Munich-Martinsried, prize winner 2004

"[Thanks to the award], a not entirely rare congenital disease [...] was brought into the spotlight of public interest."
Prof. Gerd Walz, MD, IV Medical Clinic, Albert Ludwigs University, Freiburg, prize winner 2008

"The freedom to be able to enter new territory with the prize money, and to also finance risky and challenging projects with unclear prospects of success is extremely important. It is much too often the case today that all too predictable research is promoted [...] ."
Prof. Ivan Dikic, MD, Institute for Biochemistry II, Universitätsklinikum Frankfurt/Main, prize winner 2013

"The prize symbolises a milestone on the path to a position of academic leadership."
Prof. Markus F. Neurath, MD, Medical Clinic I, Universitätsklinikum Erlangen-Nuremberg, prize winner 2006

"The award from the Jung Foundation made it possible to carry out initial experiments in a research field that was completely new to us."
Prof. Dr. rer. nat. Stefanie Dimmeler, Institute of Cardiovascular Regulation, Universitätsklinikum Frankfurt/Main, prize winner 2007

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The growth

Ernst Jung lives on in the foundation.

1896 *
Ernst Emil Jung is born in Briensdorf, East Prussia, as one of five siblings.

1897
The family Jung leaves, headed for America, but Hamburg becomes their new home.

1920
Having returned from the First World War, Ernst Jung founds a tanker shipping company and the "Ernst Jung Oel-Import" company and marries the sweetheart of his youth, Claere Müller.

1951
The Mineral Oil Economy Association makes Ernst Jung a member of the board.

1955
Ernst Jung expands his facilities in Wilhelmsburg with a deoiling plant, the first of its kind in the world.

1964
Ernst and Claere Jung found the Ernst and Claere Jung Foundation and plan senior residences in Stade and Hamburg-Othmarschen.

1965
On the day of the laying of the foundation stone of the home in Stade, Ernst Jung is awarded the Commander's Cross of the Order of Merit of the Federal Republic of Germany.

1967
Ernst Jung creates the Jung Foundation for Science and Research.

1969
Ernst Jung is named an honorary senator of the University of Hamburg.

1973
Claere Jung passes away after a long illness. An eye condition leads Claere Jung to ordain in her will that a fourth foundation be established to provide assistance to those suffering from visual disabilities or blindness and to promote ophthalmology.

1975
The Jung Foundation for Science and Research is now completely dedicated to medicine.
1976
Ernst Jung passes away five months before the awarding of the first prize.

1976
On the day that would have been his 80th birthday, the first Ernst Jung Prize for Medicine is awarded on his behalf, an acknowledgment of pioneering medical research.

1990
The Ernst Jung Gold Medal for Medicine is awarded for the first time; an honour that awards to exemplary scientists for their life's work.

1996
The winner of the Ernst Jung Prize for Medicine of 1982, Prof. Dr. Rolf Martin Zinkernagel, is awarded the Nobel Prize for Medicine.

2006
The Ernst Jung Career Advancement Award for young elite medical practitioners is awarded for the first time in order to enable them to return to Germany.

2008
The winner of the Ernst Jung Prize for Medicine of 1996, Prof. Dr. h. c. mult. Harald zur Hausen, MD, is awarded the Nobel Prize for Medicine.

2016
Besides the 40th awarding of the Ernst Jung Prize for Medicine, further events also celebrate special anniversaries: Ernst Jung was born 120 years ago and passed away 40 years ago.