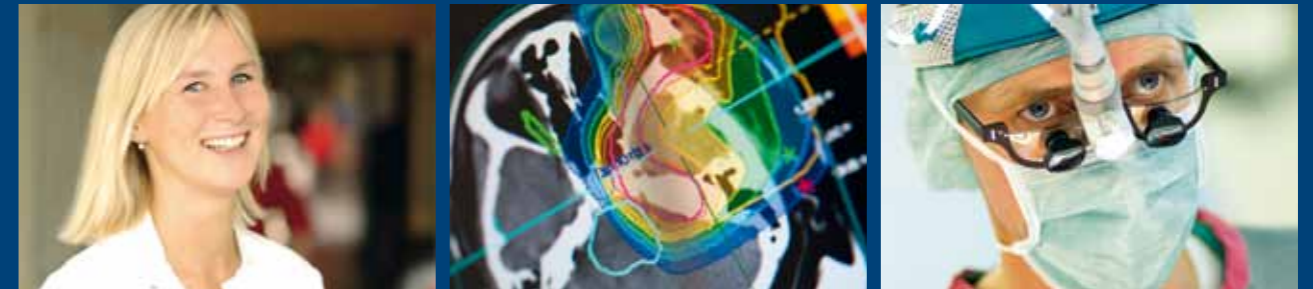




Heidelberg University Hospital

SCIENTIFIC EXCELLENCE FOR YOUR HEALTH –
Heidelberg University Hospital Welcomes International Patients



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WELCOME!

Heidelberg University Hospital with its more than 40 specialized clinical departments is one of the leading medical centers in Europe.

Our hospital is located in the world-famous, romantic city of Heidelberg in the heart of Germany. Every year, hundreds of thousands of patients from all over Germany and many other countries come here to make use of our modern treatment facilities. These patients have high expectations, which we strive to fulfill by delivering the highest standards of medical care. These standards are guaranteed by our world-renowned professors, distinguished physicians and committed nursing staff.

True to our mission statement “Scientific Excellence for Your Health”, Heidelberg University Hospital is constantly developing new methods of diagnosis and treatment at the forefront of biomedical science for the benefit of all patients.

We are happy to offer our expertise to patients from abroad. In this brochure we present a selection of the wide range of medical treatment options available and provide information about specific services for international patients.

A handwritten signature in black ink, appearing to read 'Siewert', written in a cursive style.

Univ.-Prof. Dr. med. Dr. h.c. J. Rüdiger Siewert
Chief Medical Director and
Chairman of the Board
Heidelberg University Hospital

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HEIDELBERG UNIVERSITY HOSPITAL – CENTER FOR ADVANCED MEDICINE

THE SUCCESS STORY BEGAN MORE THAN 600 YEARS AGO

The history of medicine in Heidelberg dates back to the year 1386. Medicine was one of the four founding faculties of the University of Heidelberg, the oldest university in Germany. Hospitals were set up as early as the early 19th century. The first surgical hospital was opened in 1818.

DEDICATED TO EXCELLENCE

In the course of its eventful history, many excellent doctors, including Nobel Prize winners, on the cutting edge of medical science, have conducted research, taught and practiced in Heidelberg. The defining attribute of Heidelberg University is its relentless aspiration to higher academic performance together with the recognition of its hospital as an international hallmark for quality. In 2007, Heidelberg University was appointed as a German Elite University by the German Research Association and the German Council of Science and Humanities.

MEDICINE OF THE HIGHEST STANDARD

Heidelberg University Hospital attracts patients from all over Germany and many other countries. As an advanced medical center, it offers medical care of the highest international standards in all areas of specialty, for both mild and complex diseases.

The following features guarantee effective diagnosis and treatment:

- › highly qualified and experienced personnel, including many internationally renowned professors
- › interdisciplinary cooperation between specialists from different medical divisions
- › rapid implementation of knowledge gained from research
- › treatments based on current standards (standard operating procedures) and ongoing quality assurance measures
- › the most modern technical equipment



2008 – AT A GLANCE:

- › 843,000 outpatient visits
- › 57,000 cases of inpatient treatment
- › 47,000 day-care treatment days
- › 14 hospitals with 43 specialist departments
- › 8 medical theory institutes with 17 divisions
- › 7,000 employees, including 1,200 professors and physicians
- › 3,100 medical students
- › 370 students received medical degrees

CLINICS AND DIVISIONS



CENTER FOR CHILD AND ADOLESCENT MEDICINE

- › General Pediatrics, Metabolism, Gastroenterology, Nephrology
- › Pediatric Cardiology, Congenital Heart Diseases
- › Pediatric Oncology, Hematology and Immunology
- › Neonatology
- › Pediatric Neurology

CENTER FOR PSYCHOSOCIAL MEDICINE

- › General Psychiatry
- › General Internal and Psychosomatic Medicine
- › Child and Adolescent Psychiatry
- › Institute of Medical Psychology
- › Institute of Psychosomatic Cooperation Research and Family Therapy

DEPARTMENT OF ANESTHESIOLOGY (including pain center)

DEPARTMENT OF DERMATOLOGY

DEPARTMENT OF INTERNAL MEDICINE

- › Endocrinology and Metabolism
- › Psychosomatic and General Internal Medicine
- › Cardiology, Angiology and Pneumology
- › Gastroenterology, Infectious Diseases, Intoxications
- › Hematology, Oncology and Rheumatology
- › Medical Oncology
- › Sports Medicine

DEPARTMENT OF NEUROLOGY

- › Neurology and Polyclinic
- › Neurooncology
- › Neuroradiology

DEPARTMENT OF NEUROSURGERY

DEPARTMENT OF OPHTHALMOLOGY

DEPARTMENT OF ORAL, DENTAL AND MAXILLOFACIAL DISEASES

- › Orthodontics
- › Conservative Dentistry
- › Prosthetic Dentistry
- › Oral and Maxillofacial Surgery

DEPARTMENT OF ORTHOPEDICS

- › Orthopedics and Traumatology
- › Paraplegiology and Rehabilitation Medicine

DEPARTMENT OF OTORHINOLARYNGOLOGY (Ear, Nose and Throat)

DEPARTMENT OF RADIOLOGY

- › Radiation Oncology and Radiation Therapy
- › Diagnostic and Interventional Radiology
- › Nuclear Medicine

DEPARTMENT OF SURGERY

- › General, Visceral and Transplantation Surgery
- › Vascular Surgery
- › Cardiac Surgery
- › Pediatric Surgery
- › Urology

GENETIC CLINIC

HEIDELBERG ION BEAM THERAPY CENTER (HIT)

NATIONAL CENTER FOR TUMOR DISEASES (Comprehensive Cancer Center)

TROPICAL MEDICINE CLINIC

WOMEN'S HOSPITAL

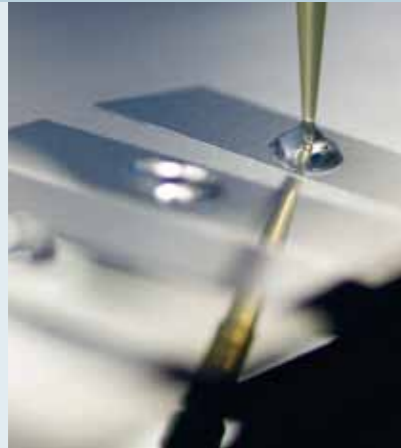
- › General Gynecology and Obstetrics with Polyclinic
- › Gynecological Endocrinology and Fertility Disorders

FOCUS ON TUMOR DISEASES



SELECTION OF SERVICES

- › Interdisciplinary diagnosis and choice of treatment at the National Center for Tumor Diseases (NCT)
- › Radiotherapy (also intensity-modulated photon radiation therapy, proton/heavy ion therapy, tomotherapy, brachytherapy)
- › Neurological tumors
- › Tumors of the neck, nose and ears
- › Tumors of the mouth and jaw
- › Tumors of the gastrointestinal tract
- › Tumors of the pancreas
- › Urological tumors
- › Gynecological tumors
- › Breast cancer
- › Bone tumors
- › Hematological tumors and stem cell transplantation (autologous and allogeneic)
- › Tumors in children



PROVEN COMPETENCE IN ONCOLOGY

Heidelberg University Hospital is recognized the world over as a center for treating tumor diseases. A good 100 years ago, Vincenz Czerny founded an institute for cancer research in Heidelberg, uniting cancer therapy and research under one roof. In 1964, this became the renowned German Cancer Research Center (DKFZ). Today, the University Hospital and the German Cancer Research Center cooperate closely in research and patient care at the National Center for Tumor Diseases, a facility that corresponds in character to the model of the American Comprehensive Cancer Center. Here, current scientific knowledge is put into practice as quickly as possible to benefit patients.

COMPREHENSIVE INTERDISCIPLINARY DIAGNOSIS AND THERAPY

The work of our professors and physicians is based on their well-founded knowledge and their broad, sophisticated practical experience. Diagnoses and therapy decisions are always based on an interdisciplinary approach. Patients and their problems are regularly discussed in multidisciplinary tumor conferences. Current, indication-specific medical standards are applied and refined.

Our therapeutic options include:

- › chemotherapy (classic and adjuvant therapies, antibody treatments)
- › all surgical procedures performed using the latest techniques
- › tested and highly innovative radiation therapy procedures
- › stem cell transplantation
- › multiple pain therapy methods
- › psycho-oncology

THE CANCER PATIENT IS THE CENTER OF ATTENTION

Those affected by the diagnosis of cancer require, above all, the highest degree of competence as well as efficient, thoughtful medical care. And this is exactly what the doctors and nursing staff at Heidelberg University Hospital offer. It is their goal to provide the best possible chances of making a full recovery to all patients.



NATIONAL CENTER FOR TUMOR DISEASES (NCT) –
INTERDISCIPLINARY CARE AND TAILORED THERAPY



Patient care in the National Center for Tumor Diseases follows international guidelines, but also aims at setting new standards. Clinical studies provide information for treatment optimization. Validated results from basic research are implemented quickly in patient care.

In summary, patients receive individualized, state-of-the-art cancer treatment of the highest quality in Heidelberg and additionally benefit from the latest research results.

The National Center for Tumor Diseases is a cooperative institution of Heidelberg University Hospital and the internationally renowned German Cancer Research Center (DKFZ), as well as the largest German cancer charity, “Deutsche Krebshilfe.”

Diagnostic findings and treatment options are discussed in interdisciplinary tumor conferences between experts from the specialized departments of oncology/hematology, radiation oncology, surgery, pathology and additional specialists from appropriate areas of expertise. Treatment decisions are based on current medical treatment standards.

Therapies are individually planned, monitored and adjusted as needed. Chemotherapy outpatient treatments take place in the newly built NCT clinic building. Diagnostic procedures and other therapies like radiotherapy and surgical treatments are conducted cooperatively in the individual clinics and departments.



UNIQUE IN EUROPE: HEIDELBERG ION BEAM THERAPY CENTER (HIT) – AVOIDING SIDE EFFECTS THROUGH TARGETED RADIATION



The following features characterize the Heidelberg Ion Beam Therapy Center (HIT):

- › It is the first combined proton/heavy ion therapy facility in a European hospital.
- › It is the first facility in the world with a pivoting beam guide system (gantry) for heavy ions.
- › A previously unachieved precision in the three-dimensional radiation of tumors has been achieved by the intensity-guided raster scan process.
- › Decisions for proton/heavy ion therapies are made on the basis of current international scientific knowledge for a very narrow range of indications.
- › Treatments are usually conducted in the context of specified protocols, so that data is available for the continuous optimization of therapy.
- › With the Heidelberg University Hospital and the research focus of oncology, the National Center for Tumor Diseases (NCT) and the German Cancer Research Center, Heidelberg provides a unique clinical and scientific environment.



The Heidelberg Ion Beam Therapy Center expands the existing options in cancer therapy with the innovative, gentler procedures of proton and heavy ion radiation therapy. Protons or carbon ions are accelerated to very high speeds and directed very precisely into the tumor, irreversibly damaging the tumor while the surrounding tissues remain unharmed. This provides us with a new therapeutic option for tumors located in very critical tissue environments, and it is now possible to provide a treatment that is both gentle and effective, so that tumors that were especially difficult to treat in the past can now be successfully treated.



FOCUS ON CARDIOVASCULAR DISEASES



COMPREHENSIVE EXPERIENCE IN CARDIOVASCULAR MEDICINE

Whether it is individual drug therapy, catheterization procedures or complex surgery, thousands of adults and children with acquired and congenital diseases of the heart and vessels are successfully treated each year at the Heart Center and at the Center for Vascular Medicine at Heidelberg University Hospital.

OUTSTANDING TREATMENT QUALITY

Established experts implement the most modern and innovative procedures in order to provide the best diagnosis and therapy and the highest level of safety and quality of life for all patients. The above-average quality of our services is demonstrated, for example, in the quality of our bypass surgery. In a Germany-wide comparison, the Heidelberg surgeons received the best ratings. Patients who underwent surgery in Heidelberg showed outstanding treatment results.

SELECTION OF SERVICES

- › Cardiological diagnosis, for example: cardiac MRI, cardiac CT, cardiac catheterization
- › Therapeutic procedures using cardiac catheterization, for example: PTCA, stent implantation, electrophysiology, valve implantation
- › Heart surgery, for example: bypass surgery, heart valve replacement, implantation of artificial heart, rhythm-correcting surgery
- › Vessel surgery, for example: surgery to correct aortic aneurysms or aortic dissection, various treatments for arterial occlusive disease or carotid stenosis
- › Neuroradiological diagnosis and procedures on vessels, for example: imaging of the cerebral vessels and treatment through a catheter
- › Neurosurgical vessel treatment and vessel malformations



FOCUS ON NEUROLOGICAL DISEASES



SELECTION OF SERVICES

- › Movement disorders, for example: brain stimulation in cases of Parkinson's disease
- › Complex neurological treatment, for example: after stroke
- › Neuroradiological diagnosis and procedures on vessels, for example: imaging of the cerebral vessels and treatment through a catheter
- › Neurosurgical vessel treatment and vessel malformations
- › Neurological tumors, for example: tumors of the brain or spinal cord
- › Cranial base surgery for both benign and malignant tumors
- › Neuroimmunology, for example: multiple sclerosis
- › Intervertebral disc prolapse and spinal canal stenosis
- › Neurological diseases in children, for example: diagnosis of epilepsy, brain tumors in children

THE HIGHEST LEVEL OF EXPERTISE AND PRECISION IN THE NEURO-CENTER

Patients with diseases of the brain and nervous system receive a level of medical care at Heidelberg University Hospital that is available at only a few centers in Europe. The neurological and neurosurgical departments offer all the procedures and techniques necessary for a precise diagnosis as well as the entire spectrum of modern treatment methods, such as neuronavigation for precise guidance during brain surgery.

REHABILITATION SERVICES

Nursing staff, physical therapists and, if needed, speech therapists and occupational therapists – specialized personnel who understand how to care for and restore ill persons, support the treatment. Often, patients continue to be treated in cooperating medical centers specializing in rehabilitation.



FOCUS ON METABOLIC DISEASES AND HORMONAL DISORDERS



METABOLISM AND HORMONES IN FOCUS

A multitude of problems may arise when hormones and other substances in the body are out of balance. Often, care by specialists from various fields, as provided at Heidelberg University Hospital, is necessary.

HEALING THROUGH INNOVATION

Our youngest patients are cared for at the renowned Heidelberg Pediatric Metabolism Center, which is recognized both nationally and internationally as a cutting-edge institution in the diagnosis and treatment of congenital metabolic disorders. Here, blood samples from more than 130,000 newborns from various countries throughout the world, for example all newborns from Qatar, are tested each year for rare metabolic diseases and appropriate treatments are offered where needed.

There are also comprehensive care options available for adult patients. Experienced professors who are among the world's leading specialists, together with their medical teams, are constantly updating their treatment standards to maintain them at the highest international level. They themselves are involved in the development of innovative and successful methods.



SELECTION OF SERVICES

- › Amyloidosis
- › Osteoporosis (with kyphoplasty)
- › Diabetes mellitus, for example: drug therapy, prevention and treatment of complications
- › Diseases of the pancreas, for example: diagnosis, non-surgical therapy, surgical procedures
- › Endocrine tumors, for example: both benign and malignant diseases of the thyroid, multiple endocrine neoplasia (MEN)
- › Metabolic diseases of adulthood
- › Congenital metabolic disorders of childhood
- › Liver cell transplantation

FOCUS ON MUSCULOSKELETAL DISEASES

LARGEST ORTHOPEDIC HOSPITAL IN GERMANY

Life is movement – that is the motto of the Heidelberg Orthopedic Hospital. This goal is pursued through conservative orthopedics, a high level of precision in larger or smaller operations and through technical orthopedics. The Heidelberg University Orthopedic Hospital is the largest facility of its kind in Germany. Each year, we conduct over 6,000 inpatient and more than 50,000 outpatient treatments, covering the entire spectrum of diseases and injuries of the musculoskeletal system.

INDIVIDUAL SOLUTIONS RATHER THAN OFF-THE-SHELF TREATMENTS

Specialist teams of highly competent and experienced doctors, nursing staff, physical therapists and occupational therapists work day by day to design and implement the optimal treatment for each individual patient. Medical treatment is optimally complemented by the Technical Orthopedics Department, our in-house orthopedic workshop for manufacturing prostheses (arm/hand and leg/foot), orthotics and bandages. Also complex orthopedic problems find appropriate solutions here.



SELECTION OF SERVICES

- › Joint replacement for hips and knees
- › Spinal surgery, for example: intervertebral disc prolapse
- › Diseases of the foot, for example: rheumatoid foot, hallux valgus
- › Foot deformities, for example: clubfoot
- › Bone tumors
- › Pediatric orthopedics, for example: kyphosis
- › Orthopedic sports medicine
- › Spinal cord transections
- › Accident surgery, for example: treatment of multiple traumas
- › Technical orthopedics, for example: arm and leg prosthetics/orthotics, pediatric/dysmelia care, torso orthotics
- › Kyphoplasty for osteoporosis

FOCUS ON TRANSPLANTATION

WORLD-RENOWNED DEPARTMENT OF SURGERY – OUTSTANDING TRANSPLANTATION RESULTS

The Heidelberg Surgical Department enjoys an excellent reputation worldwide – thanks to its excellence in major abdominal operations, procedures on the pancreas, heart and vessels, and especially because

of the many transplantations conducted here with excellent long-term results. One of the first kidney transplantations in Germany took place in Heidelberg in 1967.

Today, the Heidelberg Transplant Center is one of the leading centers in Germany. Essential to our success is the close interdisciplinary

cooperation between gastroenterologists, nephrologists, immunologists and surgeons.

KIDNEY AND LIVER TRANSPLANTATION WITH LIVING DONORS

One focus of the Heidelberg Transplant Center is living donors. More

than 400 healthy persons have donated a kidney for a relative with kidney failure in Heidelberg. Living kidney donations are conducted using so-called “keyhole surgery”, a minimally invasive procedure. For living liver donations, a piece of the organ is removed and transferred. This piece then grows into a nearly full-sized liver within several weeks.



MANY YEARS OF EXPERIENCE AND INNOVATION IN HEMATOLOGY: STEM CELL TRANSPLANTATION – HEALING FROM THE BLOOD

Barely thirty years ago, it was a daring experiment when Heidelberg doctors gave a patient with blood cancer his own stem cells – a first time in medical history. In the meantime, stem cell transplantation has become routine and is often the only chance of a cure for people suffering from blood or lymph node cancer. At Heidelberg University Hospital, almost 300 stem cell transplants are conducted each year, with many patients being cured. Thus, Heidelberg University Hospital is one of the largest centers for blood stem cell transplantation in Germany and Europe.



FOCUS ON PREGNANCY AND GYNECOLOGICAL DISEASES

WE PROVIDE LIFE-LONG CARE FOR WOMEN

Treatments for infertility, the diagnosis and treatment of the unborn child and obstetrical care are performed with great care at Heidelberg University Hospital. For patients with non-malignant and malignant diseases the full spectrum of modern treatment options is available.

MAXIMUM CARE CENTER AND CERTIFIED BREAST CENTER

The hospital, with its individual sections and specialized consultation offerings, is a maximum care center. Surgical, drug, complementary natural healing and interdisciplinary treatment concepts are all available to our patients through specially trained physicians. Our extensive experience and commitment to the highest possible quality standards become clear, for example, in our treatment of breast cancer patients. The Heidelberg Breast Center, with 600 women treated per year, is one of the largest centers in Germany. It is also accredited by national institutions and by the European Society of Mastology, EUSOMA, according to international guidelines.



SELECTION OF SERVICES

- › Breast cancer, for example: breast-preserving surgical techniques, breast reconstruction, radiation therapy, chemotherapy, antibody therapy
- › Gynecological tumors, for example: stage-appropriate interdisciplinary multi-organ procedures, minimally invasive surgical techniques
- › Uterine dysplasias and myomas, for example: laser or high-frequency surgery
- › Endoscopic and urogynecological operations
- › Prenatal diagnosis, prenatal medicine, obstetrics, for example: non-invasive and invasive diagnostic methods, newborn care in the integrated newborn intensive care unit
- › Fertility disorders and endometriosis, for example: comprehensive surgical procedures for maintaining fertility, artificial insemination

FOCUS ON CHILDHOOD DISEASES



SELECTION OF SERVICES

- › Non-malignant and malignant tumors in children, for example: treatment by chemotherapy, stem cell transplantation, radiation therapy or specialized pediatric surgery
- › Congenital metabolic disorders, for example: phenylketonuria, adrenogenital syndrome
- › Neurological diseases, for example: diagnosis of epilepsy, brain tumors in children
- › Renal diseases, for example: chronic renal failure
- › Heart failure and heart diseases, for example: surgical treatment of congenital vascular abnormalities, pacemaker implantation
- › Pediatric orthopedics, for example: kyphosis, clubfoot
- › Pediatric surgery, for example: short bowel syndrome, solid tumors



HIGHLY MODERN CENTER FOR PEDIATRIC AND ADOLESCENT MEDICINE

Treatments are conducted primarily in the new building of the Children's Hospital, which was opened in 2008. The hospital is one of the most modern pediatric centers in Europe. The examination and treatment areas are located in the colorful, five-level cube with more than 100 beds and numerous special sections for outpatient therapies. Our state-of-the-art equipment includes everything required to practice modern, cutting-edge medicine.

COMMITTED TO CHILDREN

Illness in a child is a stressful situation for the entire family. It is important to us to provide children and adolescents with treatments promising the best possible chance of success. The recognition of our name and the demand from beyond Germany motivate us in our work.



INTERNATIONAL PATIENTS AT HEIDELBERG UNIVERSITY HOSPITAL



Several hundred patients from abroad visit specialists each year at Heidelberg University Hospital for diagnosis and therapy. These patients come primarily from neighboring European countries, Eastern European countries, Russia and the Arab Gulf States.

OUR SERVICE FOR INTERNATIONAL PATIENTS

Those who travel outside their own country for medical treatment need a comprehensive support system. The multilingual team of the International Office at Heidelberg University Hospital is available to international patients for all organizational questions surrounding treatment at the University Hospital as well as their stay in Heidelberg:

- › answering treatment requests
- › coordinating outpatient and inpatient appointments
- › preparing cost estimates and final invoices, answering questions about financing
- › providing support for visas
- › providing support for the organization of accommodation

and airport transfers for patients and their escort

- › arranging interpreter services

WE WORK TO ENSURE A COMFORTABLE HOSPITAL STAY

- › Accommodations in comfortably furnished single and double rooms with internet access (WLAN), telephone and television. Television programs are available in many languages.
- › Individual desires regarding meals are taken into consideration.
- › Service is provided by friendly, English-speaking nursing personnel.
- › All doctors speak fluent English, and medical reports are written in English.
- › There is a prayer room available in the hospital for our Muslim patients.

You can find detailed information at our website: www.heidelberg-university-hospital.com.



www.heidelberg-university-hospital.com

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DESTINATION HEIDELBERG –
INTERNATIONAL FLAIR IN ONE OF THE MOST ATTRACTIVE CITIES IN GERMANY



of historic sights, the pulsating life of the city center, and an international atmosphere – but they can also enjoy the city’s high level of safety and cleanliness.

It is no secret - Heidelberg’s main attraction is the impressive castle ruins. A visit to the expansive park provides a view of the roofs in the picturesque Old Town.

The multitude of shops makes Heidelberg a shopper’s paradise. Regional and international restaurants invite one to linger and relax.

The lush meadows along the Neckar and the densely wooded surroundings provide for pleasant excursions into nature, the ideal antidote to the congestion of the city center.

More information about Heidelberg tourism:



www.heidelberg-tourismus.de



Heidelberg attracts intellectuals from all over the world because of its status as an elite university and its multitude of internationally renowned research facilities such as the Max Planck Institutes, the European Molecular Biology Laboratory and the German Cancer Research Center. Apart from its reputation in the academic sciences and arts, the city is also a jewel among the tourist attractions in Germany.

Every year, more than three million visitors from all over the world are drawn by the charm of this romantic city in the Neckar valley. Heidelberg’s guests can experience a multitude