



EUROPEAN SOCIETY OF THORACIC SURGEONS

ESTS

INSTITUTIONS FOR ESTS BIOLOGY FELLOWSHIP 2022

BARTS THORAX CENTER, LONDON, UNITED KINGDOM

Information about the Institution:

Barts Health was established in 2012 following a merger of three former organisations and is the largest NHS Trust in England. It incorporates five hospitals in East London and the City (Whipps Cross, Newham, The Royal London, St Bartholomew's and Mile End) together with community health services for the London Borough of Tower Hamlets.

The Barts Heart Centre and Thorax Centre comprise a 54 bedded dedicated thoracic unit supported by an ITU comprising of 58 beds (level 3 and level 2). It includes 2 dedicated thoracic surgery theatres within the 10 theatre complex serving cardiac and thoracic surgery offering robotic thoracic surgery and navigational bronchoscopy. Thoracic surgery here is supported by on-site provision of thoracic medicine, thoracic oncology and radiotherapy, and state of the art diagnostic facilities including specialised thoracic CT, PET with a range of specialised tracers, and MRI. Academic programmes are run by Queen Mary University of London (QMUL) and University College London (UCL).

Research Focus:

Mainly Clinical.

Robotic surgery, mesothelioma, lung volume reduction procedures, navigational bronchoscopy, VATS resections and other Thoracic Surgery fields.

Facilities:

Accommodation opportunities - hospital accommodation could be organised.

Institution has a history of hosting UK thoracic robotic research fellow.

Language request – English

Chief of the Unit: Dr. Kelvin Lau

Please check the website for faculty and further information.

<https://www.bartshealth.nhs.uk/thorax>

MAGDEBURG UNIVERSITY HOSPITAL, MAGDEBURG, GERMANY

Information about the Institution:

University Hospital Magdeburg has been recognized as one of the top hospitals in Germany that offers maximum care for the full range of medical services, education, and research. The hospital, together with the Medical Faculty of the Otto von Guericke University, forms the University Medical Center

Magdeburg. It was founded in 1891. The hospital is also a Health Center for Immunology, Infectiology, and Inflammation. As the largest medical facility in northern Saxony, it consists of over 25 specialized departments with a bed capacity of 1,100 beds where the medical team treats over 42,800 inpatients every year. The hospital is in close cooperation with neighboring hospitals and specialists and also educates many medical students and trainees annually.

Research Focus:

Clinical and basic science.

Department runs its own clinical research unit and an experimental lab for basic and translational research.

<http://www.wopp-studie.de/>

<https://www.researchgate.net/lab/Experimental-Thoracic-Surgery-Lab-Thorsten-Walles>

The lab is furnished for cell culture research, biochemistry, cell and tissue culture (with a focus on tissue engineering), microscopy, and 3D printing. They have ongoing cooperations with various research groups on the University campus (pneumology, tissue engineering, cardiac surgery, microbiology, radiology, nuclear medicine, space medicine).

Facilities:

Magdeburg scores with the lowest rental fees and living expenses. Furnished rooms are available from € 350/month.

Requested languages in clinical practice are German and English.

Chief of the Unit: Dr.Thorsten Walles

Please check the website for Faculty and further information.

<http://www.kchh.ovgu.de/en/Thoracic+Surgery.html>

DIVISION of CARDIOTHORACIC SURGERY, DEPARTMENT of SURGERY, The CHINESE UNIVERSITY of HONG KONG (CHUK), HONG KONG, CHINA

Information about the Institution:

The Department is in a 1300 bed hospital (tertiary referral centre), covering 1.3 million population thoracic needs. 24hr Emergency Room, 2 levels of ICU facilities, Hybrid Operating Room with Cone-Beam CT, Electromagnetic navigation bronchoscopy (SuperDimension & Illumisite), Robotic Bronchoscopy (Auris Monarch), Microwave Ablation system (Emprint & Neuwave), 3D endoscope/ ICG endoscope. They also hold regular Lung Cancer MDT with world-renowned Oncology team (led by Prof Tony Mok) and pathology teams

Research Focus:

Mainly clinical.

VATS, Uniportal VATS (excluding esophageal surgery), Image guided VATS (iVATS); image guided electromagnetic navigation bronchoscopy (iENB) for biopsy, dye marking, fiducial placement, transbronchial microwave ablation; robotic bronchoscopy (biopsy, dye marking , ablation). Advanced chest wall surgery & reconstruction, advanced airway procedures (rigid bronchoscopy, stenting , laser, cryotherapy), emergency thoracic surgery.

Facilities:

Living costs minimum approx. Euro 3000 per month (usually will cover single person accommodation rental; and costs of daily living).

Language request: English

Chief of the Unit: Dr. Calvin Ng

Please check the website for Faculty and further information.

www.surgery.cuhk.edu.hk/people/profile.asp?alias=calvinng&team

ROYAL PAPWORTH HOSPITAL, CAMBRIDGE, UNITED KINGDOM

Information about the Institution:

Purpose built cardiothoracic hospital which was commissioned in 2018. It continued activities through the COVID pandemic with minimal reduction to general thoracic surgery. All programs are active and pre-COVID, and the unit was achieving more than 600 general thoracic surgery cases (c.70% VATS), 200 PTE and 40-50 lung transplants per year. The unit regularly undertake joint cases with other specialties. During COVID the unit have developed further experience of the surgical management of ECMO patients with COVID pneumonitis as it is a national ECMO centre.

The unit is located on the Cambridge Biomedical Campus which is being developed into the largest such campus in Europe.

Research Focus:

Mainly clinical.

The unit is specialized in General adult thoracic surgery, pulmonary thromboendarterectomy (PTE), lung transplantation.

Opportunities for audit, education and research are present. Fellows for 6 months will expect to produce at least 1 research publication.

Facilities:

There is a wide range of private accommodation available via multiple providers in and around Cambridge. In addition there is staff accommodation available very close to and on the Cambridge Biomedical Campus and also in special facilities in a nearby town Waterbeach and additional transport is provided to and from there.

Language request: English

Chief of the Unit: Dr.Aman Coonar

Please check the website for Faculty and further information.

<https://royalpapworth.nhs.uk/our-services/surgery/thoracic-surgery>

DEPARTMENT OF THORACIC SURGERY, ZURICH, SWITZERLAND

Information about the Institution:

The University Hospital Zurich (USZ) provides fundamental medical care and cutting-edge medicine in the heart of Zurich as well in their new outpatient clinic. Nearly every medical discipline is represented in our 43 medical departments and institutes. On highest scientific standards they offer complete surgical range of treatments for diseases in the thorax from basic medical care to highly specialized treatments.

Research Focus:

Clinical and basic science.

Lung cancer, mesothelioma, emphysema, minimally invasive surgeries (VATS & RATS), lung transplantations, pulmonary endarterectomy, thoracic malformations, hyperhidrosis and erythrophobia, etc.

Facilities:

The USZ Foundation will act as grant managing center for your appreciated support. This means, that the foundation is the contractual partner and handles the financial administration.

University Hospital Zurich staff members can rent furnished rooms or studios in one of the staff blocks.

The aim of the Fellow is to provide the possibility to get an insight into the research of Thoracic Surgery.

Language request: English

Chief of the Unit: Dr.Isabelle Opitz

Please check the website for Faculty and further information.

<https://www.usz.ch/en/clinic/thoracic-surgery/>

DEPARTMENT OF THORACIC SURGERY, UNIVERSITY OF LEUVEN, BELGIUM

Information about the Institution:

UZ Leuven is Belgium's largest university hospital. It pushes boundaries by combining specialised care and innovative treatment with humane attention and respect for every patient. At UZ Leuven, future care providers and employees are guaranteed high-quality training, with a view to life-long learning and innovation. As a pioneer in clinical research, the hospital also contributes to future patient care.

The department of thoracic surgery Leuven has 8 staff members and covers the broad spectrum of thoracic surgery including a large lung transplant program and oesophageal surgery. They treat adults

and infants. The department has a strong tradition of cutting edge practice and provides training for fellows nationally and internationally.

Research Focus:

Clinical and basic science.

Lung cancer, esophageal malignancies, lung transplantation, cancer staging, minimally invasive thoracic Surgery, metastasectomy.

Facilities:

Over the last 20 years, they had huge experience both with observers and international fellows.

They have specific accommodation possibilities at the university.

Language request: English

Chief of the Unit: Dr. Paul De Leyn

Please check the website for Faculty and further information.

<https://www.uzleuven.be/en/physicians-and-specialists/thoracic-surgeons>

DEPARTMENT of CARDIOVASCULAR and THORACIC SURGERY, WVU CANCER INSITUTE, WVU SCHOOL of MEDICINE, MORGANTOWN, WEST VIRGINIA, USA

Information about the Institution:

The thoracic and esophageal surgery division in the department of Cardiovascular & Thoracic Surgery at West Virginia University is one of the largest division in the country and provides a comprehensive care for all thoracic and esophageal conditions. They have eight member dedicated thoracic faculty performing more than 2,000 cases annually focusing on endoscopic, robotic, VATS and laparoscopic approaches. It is also a busy referral center for salvage surgery for lung, esophageal , tracheal and mediastinal cancers. There are 7 Xi robots with ample Access and two ION and two Monarch platforms for robotic navigational bronchoscopy.

ECMO program is recognized with “Gold Status” and it is the busiest program in the state.

Research Focus:

Mainly clinical.

Robotic Surgery, lung cancer management (minimally invasive resections, esophageal surgery benign and malignant.

The unit has a separate dedicated division of Research. The division will provide all necessary support for successful clinical research and have access to STS and other large national databases.

Cadaver Lab. Robotic or VATS training on fresh perfused cadavers for the fellows.

1,000 USD support from the department for a month (\$12,000 per year) toward the fellow's accommodation expenses.

Language request: English

Chief of the Unit: Dr.Ghulam Abbas

Please check the website for Faculty and further information.

<https://medicine.hsc.wvu.edu/cardiovascular-and-thoracic-surgery/faculty-staff/>