

Gunther Becher, M.D.  
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Germany

## Curriculum vitae

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### Personal Data

Home	Bernau, near by Berlin, Germany
Telephone	+49 170 3024458
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Position	Consultant, BecherConsult GmbH
web	<a href="http://www.becherconsult.de">www.becherconsult.de</a>
Title	Dr. med.

### Education

1974	High School
1977-1983	Medical University (Charité, Humboldt-Univ.)
1983-1987	Assistant at the Research Inst. for Lung Dis. and Tbc., Berlin-Buch (FLT) ; postgraduate specialization in Pathophysiology
1994-1996	postgraduate spec. in Environmental Medicine

### Teaching Activities

1983-1989	graduate training of medical staff in lung function diagnostic, FLT, Dept. Pathophysiology
1994-1996	postgraduate course on environmental medicine in Berlin Medical Association
1999- 2003	Courses in Anaesthesiology/Intensive care in the EUROMED Med. Partners Training-Centre, Development of Medical Devices for Mechanical Ventilation.
2003- Currently	Courses in non-invasive diagnostic methods, e.g. breath analyses and breath condensate

### Professional Affiliation

Current	BecherConsult GmbH Consulting in Development of Medical Devices and In-Vitro-Diagnostics (IVD)
Former	FILT Research Company of Lung & Chest Dis. Ltd. Berlin-Buch EUROMED Medical Partners GmbH Gross Doelln FLT Fachkrankenhaus für Lungenheilkunde und Thoraxchirurgie (now ELK; Evan. Lung Clinic)

Scientific Societies	DGP - German Society of Pulmonology ERS – European Respiratory Society ATS – American Thoracic Society German Lung Foundation (Deutsche Lungenstiftung) IABR (Int. Assoc. Breath Research)
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Awards	1983	Robert-Koch Prize of the Humboldt-University
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#### Recent and Current Research Projects and Fields of Interest

- Development of diagnostic concepts on early stages of airway diseases, Methods of “Biochemical Lung Function Diagnostics”
- and Environmental Medicine, Home Care and Telemedicine (Research Projects BioHyTeC and BASUMA)
- Training Courses for PFT and Mechanical Ventilation/ARDS, e.g. in EUROMED
- Lung Function Diagnostic Equipment of Lung Function and Mechanical Ventilation
- Detection of non volatile substances and mediators in exhaled air (“Breath Condensate” and “Exhalate”)
- Development of in-vitro Diagnostic Devices (Immunoassays, Biosensors, BioChips – LD Bioscreen, R-ELISA for therapeutic monitoring of Biologica)
- Clinical Laboratory and Medical Consultant in BioTeZ Berlin-Buch GmbH
- Clinical studies on Lung Diseases and Lung Diagnostic
- Medical consultant in Research-Projects (e.g. intelligent spectral analyses) and medical technology companies (e.g. Graupner Medical Solutions, BioTeZ Berlin-Buch GmbH, CareFusion, fzmb GmbH, IFU GmbH, STEP Sensortechnik)
- Research in detection and measurement of exhaled markers by Ion Mobility Spectrometry (IMS)
- Development of diagnostic devices based on Ion-Mobility-Spectrometry (IMS)
- Clinical Overviews and Medical Surveys for Medical Products and Pharmaceuticals

#### Research stays and guest researcher activities

Germany	Univ. Jena/ Inst. Pathophysiology
Hungary	Koranyi Institute of Tuberculosis and Lung Diseases, Budapest/Hungary
Finland	Natl. Public Health Inst., Kuopio/Finland

Support of Theses (Diploma), Doctoral Theses and Master Theses in the field of Diagnostics, Biosensors, Bioanalytics.

References:	more than 45 publications in ERS and ATS conferences and in international journals
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Gunther Becher

January, 2014