

# Curriculum vitae Beat A. Kaufmann

Name Beat Kaufmann  
Date of birth August 17, 1971  
Office Address Cardiology  
University Hospital Basel  
Petersgraben 4  
4031 Basel, Switzerland  
Tel. +41 61 265 25 25  
beat.kaufmann@usb.ch  
Marital status married, 1 daughter, 1 son

## Education

1978 - 1983 Primary School, Füllinsdorf, Switzerland  
1983 - 1987 High School, Progymnasium Frenkendorf  
1987 - 1990 College, Gymnasium Liestal, Switzerland  
1991 January to August 1991 industrial trainee with Ciba-Geigy, Pharma Research & Development in Horsham (UK), elucidation of the secondary structure of calcitonin using absorption and fluorescence spectroscopy.  
1991 - 1997 Medical School of the University of Basel, Switzerland, 1991 to 1997, 1994/95 one year as visiting student at the Universidad Complutense de Madrid (Spain)

## Residency

1998 January to July 1998 visiting MD at the Consultorio in Teodoro Schmidt/Temuco (Chile) as general practitioner  
1998 - 1999 Department of Surgery of the Cantonal Hospital Olten  
1999 - 2001 Department of General Medicine of the Cantonal Hospital of Uri in Altdorf  
2002 - 2003 Department of General Medicine of the Bürgerspital Solothurn with a faculty assignment with responsibility for the medical intensive care unit and emergency room from November 2002 to January 2003

## Fellowship

2003 – 2005 Department of Cardiology of the University Hospital Basel, Switzerland  
2005 Research Post-Doc, Cardiovascular Research Center, University of Virginia, Charlottesville, VA, USA  
2006 - 2007 Research Post-Doc, Cardiovascular Research, Oregon Health and Science University, Portland, OR, USA

## Positions/Academic Appointments

2007 - present Staff cardiologist Departement of Cardiology of the University Hospital Basel, Oberarzt starting July 2008  
2010 - present Director of the echocardiography laboratory, Cardiology, University Hospital Basel  
2009 - present SCORE Fellow of the Swiss National Science Foundation  
2009 - present Research Group Leader *Cardiovascular Molecular Imaging*, Dept. of Biomedicine, University Hospital Basel

## Licensure and Certification

1997 Swiss Medical License Registration  
1997 Thesis: Carcinoids of the gastrointestinal and respiratory tracts, survey on prevalence in the Cantons Baselstadt- and Baselland and deduction of potential predispositions for these syndromes ; accepted 1997, supervisor Prof. Dr. Hj. Müller  
2005 Swiss Board of Internal Medicine  
2007 Examination of Special Competence in Adult Echocardiography (ASCeXAM) passed  
2008 Swiss Board of Cardiology  
2010 Venia docendi for Cardiology University of Basel

## Professional Memberships

1998 FMH  
2005 Swiss Society for Internal Medicine  
2008 Swiss Society of Cardiology  
2010 Fellow of the European Society of Cardiology

2010 Working Group for Cardiovascular Biology, Swiss Society of Cardiology, Board Member  
2011 European Association of Cardiovascular Imaging  
2013 Working Group of Echocardiography and Cardiac Imaging, Swiss Society of Cardiology, Board Member

### Awards

2005 Menarini Prize in Echocardiography: 3<sup>rd</sup> Prize 2005 Scientific Sessions of the Swiss Society of Cardiology  
2007 1<sup>st</sup> Prize, Young Investigators Award, Annual Scientific Sessions 2007 of the American Society of Echocardiography, Seattle  
2005 Fellowship for Prospective Researchers from the Swiss National Science Foundation (PBBS33-108514): *Atherosclerosis and angiogenesis: targeted imaging of cell adhesion molecules promoting inflammation in atherosclerosis and integrins in angiogenesis with contrast enhanced ultrasound*  
2009-2014 SCORE Fellowship from the Swiss National Science Foundation (No. 32323B\_123819 and 3232B0-141603): *Contrast enhanced ultrasound molecular imaging of vascular inflammation in atherosclerosis: development of methods for early detection of cardiovascular risk and assessment of the effect of targeted therapies*

### Grant Support

2008 Förderstipendium, VFWAWF-Fonds (Verein zur Förderung von Wissenschaft, Aus-, Weiter- und Fortbildung), University Hospital Basel  
2008 Swiss Heart Foundation. Project Grant. *Temporal and Spatial Correlation between Molecular Alterations and Plaque Development in Atherosclerosis with Targeted Ultrasound Molecular Imaging*  
2009 - 2012 SwissLife Jubiläumsstiftung. Project Grant. Contrast enhanced ultrasound molecular imaging of vascular inflammation in atherosclerosis  
2010 R'Equip Grant for Visual Sonics Vevo 770 high resolution small animal ultrasound system, Swiss National Science Foundation, No. 128782  
2012 Novartis Jubiläumsstiftung. Project Grant. Contrast enhanced ultrasound molecular imaging of oxidized LDL receptor LOX-1 for the detection and characterization of atherosclerotic plaques.

### Peer Review Activities

2007 Member of the Vascular Review Committee, Juvenile Diabetes Research Foundation International, USA

Reviewer for International Journal of Cardiology  
Journal of the American Society of Echocardiography  
Ultrasound in Medicine and Biology  
Circulation  
JACC Imaging

### Teaching activities

Mentoring of students:

MSc (Nat. Sci.) Katharina Kinslechner (Austria) 2010; PhD (MD-PhD): 2010 – 2013 Elham Khanicheh (Iran); Mentoring of Elham Khanicheh as Finalist of the Young Investigator Award Annual Scientific Sessions of the European Association of echocardiography (now EACVI, European Association of Cardiovascular Imaging).

Tutorials:

2009 - present Themenblock Herz-Kreislauf, 2. JK Medizin, Faculty of Medicine, Basel  
2009 – present Gruppenunterricht Herz-Kreislauf, 4. and 6. JK Medizin, Faculty of Medicine, Basel  
2009 – present Education of cardiology fellows in clinical echocardiography