

Curriculum Vitae



1. Biographic Data

Name: SCHINDLER

First name: Thomas Hellmut

Date of Birth: 26.10.1968 (Karlsruhe)

Nationality: German

Marital Status: Married with Ines Valenta-Schindler, MD (DOB: 16.06.1981)

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Mobile:079-667-9664
e-mail: Thomas.Schindler@hcuge.ch

2. Current position

Deputy Head Physician,
In charge of Nuclear Cardiology, Cardiovascular Imaging and General Clinical Cardiology

3. Qualifications

Scholarship

1975 - 79	Primary School	Achern
1979 - 82	High School	Achern
1982 - 85	College St. Blasien (Jesuit)	St-Blasien
1985 - 86	Douai-School (Benedictan)	England
1986 - 88	High School Exam at the College St. Blasien	St-Blasien

Medical School

01.10.88- 1989	University of Fribourg (Switzerland)	Propaedeutikum 1 (mark: cum laude)
1990	University of Fribourg (Switzerland)	Propaedeutikum 2 (mark: cum laude)
1992- 1995	University of Leipzig (Germany)	State exam at the university of Leipzig 1-3 (mark: cum laude)
July 1996	University of Leipzig (Germany)	Dissertation: Diagnostic Radiology Topic:“Diagnosis of Early Degenerative Changes of the Retropatellar Cartilage my Means of Magnetic Resonance Imaging”. (mark: Magna cum laude)

Clinical Education

01.10.1995	St. Vincentius Hospital in	Division of Pathology
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	Karlsruhe / University Hospital of Freiburg (Germany)	Clinical Directors: Prof. Dr. med. H-M Schneider, Prof. Dr. med. H Hauk
01.08. 96 – 30.09.2000	University Hospital of Freiburg (Germany)	Department of Internal Medicine - Medical Clinic III, Cardiology and Angiology (Clinical Director: Prof. Dr. med. H. Just) - Pulmonology (Clinical Director: Prof. Dr. M.K. Walz) - Nephrology (Clinical Director: Prof. Dr. H. Matthys)
01.10.2000 – 31.08.2002	University Hospitals of Basel (Switzerland)	Division of Cardiology, Medical Clinic 1 , (Clinical Director: Prof. Dr. M. Pfisterer)
1.09.2002 – 31.09.2006	University of California, Los Angeles (UCLA), USA	Radiological Science, Nuclear Medicine, Los Angeles, California (USA) Clinical Director: Professor Dr. Dr. med. H.R. Schelbert Postdoc-Research Fellowship (Grant HL 33177, National Heart, Lung and Blood Institute (NIH), Bethesda)
01.02.2006 – 01.08.2006	University of California, Los Angeles (UCLA), USA	Medical Intensive Care Unit (MICU) , David Geffen School of Medicine at UCLA, Department of Internal Medicine, Associated Greater VA Hospital
14.12.2006	Board Licensed for Internal Medicine and Cardiology (Germany)	
Since 01.10.2006	Hôpitaux Universitaires de Genève (HUG)	Head of Nuclear Cardiology and Cardiovascular Imaging, Clinical Attending in Cardiology
04.05.2009	Acceptance of Thesis and Nomination as “Privat-docent”	University of Geneva, Medical Faculty
01.02.2010	American Certification Board of Nuclear Cardiology (CBNC)	

01.07.2010 **Fellow Status of the American
College of Cardiology (FACC)**

4. Research Performances

- 01.07.1996 Assistant in the Working Group of Angiography and Digital Imaging Research in Cardiology at the University of Freiburg.
(Seniors: Prof. Dr. med. U. Solzbach, Prof. Dr. med. H. Wollschläger)
- 1997 - 2000 Head of the Working Group for Angiography and Digital Imaging Research in Cardiology at the University of Freiburg, within the Centre of Clinical Research II of the University of Freiburg: Heart and Vascular Disease – „Analysis and Integration of Form und Function" (Project THS-A1)
- 2000-2002 Clinical Research in Nuclear Cardiology / Cardiac PET and MRI at the University Hospital in Basel / Switzerland
- 01/09/2002-30/12/2006 Post-Doctoral Research Fellowship at the Department of Molecular and Medical Pharmacology, David Geffen School of Medicine at UCLA, Radiological Science, Nuclear Medicine, Los Angeles, California, USA.
(Clinical director: Professor Dr. Dr. med. H.R. Schelbert)

Areas of Research:

1. Endothelial dysfunction of the coronary circulation and its response to medical intervention with focus on insulin-resistance syndrome, obesity and diabetes mellitus.
2. 3D fusions technique and imaging of digital data of coronary angiography, CT-coronary angiography and of myocardial scintigraphy.
3. Cardiac PET/CT imaging to study coronary circulatory function and myocardial viability.
4. CT-coronary angiography and Cardiovascular magnetic-resonance-imaging (MRI)

Research summary:

- 47 original publications.
- 22 proceeding books contributions / commentaries/editorials

5. Awards

5.1. Cardiovascular Young Investigator Imaging Award 2004: *Society of Nuclear Medicine 51th Annual Meeting, Philadelphia (Pennsylvania)*

“Abnormal longitudinal, base-to-apex myocardial perfusion gradient in response to cold-pressor-test as assessed by PET correlates with indices of epicardial vasomotion on quantitative angiography.”

5.2. Cardiovascular Young Investigator Imaging Award 2005: *Society of Nuclear Medicine 52th Annual Meeting, Toronto (Canada)*

“Angiotensin receptor blockade in patients with impaired glucose tolerance reverses abnormal endothelium-dependent coronary vasomotion as monitored with PET”

5.3. American Society of Nuclear Cardiology (ASNC) Clinical Research Award 2006:

“Relationship between Obesity, Inflammation, Adipocytokines and PET-determined Coronary Circulatory Function and its Alterations by Weight Loss due to Laparoscopic Adjustable Gastric Banding”.

6. Research Studies mentioned in Highlight Comments/Lectures

2005 Highlights of the Year in the Journal of the American College of Cardiology (Anthony N. DeMaria et al.)

Positron emission tomography-measured abnormal responses of myocardial blood flow to sympathetic stimulation are associated with the risk of developing cardiovascular events. (*editorial: J Am Coll Cardiol 2006 ; Vol. 47, No. 1: 184-202*)

2006 Society of Nuclear Medicine Highlights Lecture (Henry N. Wagner)

Society of Nuclear Medicine 53th Annual Meeting, San Diego

Increasing Body Weight Is Associated With an Impairment of Coronary Circulatory Function. (*editorial: J Nucl Med 2006 47: 13N-39N*)

2007 Society of Nuclear Medicine Highlights Lecture (Henry N. Wagner)

Society of Nuclear Medicine 54th Annual Meeting, Washington D.C.

“Diagnostic value of global and longitudinal flow heterogeneity during sympathetic stress for identification of abnormal coronary vasomotor function”. (*editorial: J Nucl Med 2007 Vol.48, No. 8: 15N-38N*)

2007 Highlights of the Society of Nuclear Medicine as Mentioned in the Journal of Nuclear Cardiology (David K Glover, Marcelo F. DiCarli)

“Diagnostic value of global and longitudinal flow heterogeneity during sympathetic stress for identification of abnormal coronary vasomotor function”. (*editorial: J Nucl Cardiol 2007;14:760-2*)

2010 Best Research in cardiac Imaging. World Congress of Cardiology (WCC). 18 June 2010 Beijing, China.

“PET-determined hyperemic longitudinal, myocardial flow gradient as noninvasive probe of epicardial vasomotion in cardiovascular risk individuals with or without coronary artery calcifications” (Valenta I. et al.)

**2010 Society of Nuclear Medicine Highlights Lecture (Markus Schwaiger)
Society of Nuclear Medicine 57th Annual Meeting, Salt Lake City, Utah.**

“Relationship between increasing body weight, insulin resistance, monocyte chemotactic protein-1, adipocytokines and coronary circulatory function”. (Quercoli A. et al.)

(*editorial: J Nucl Med 2010; 51 (Suppl 2): 15N-19N*)

7. Membership

- American Heart Association (AHA)
 - Council of Cardiovascular Radiology
 - Council of Arteriosclerosis, Thrombosis, and Vascular Biology
- The Society of Nuclear Medicine
- The American Physiology Society
- German Society of Cardiology
- European Society of Cardiology (ESC)
- Academy of Molecular Imaging (AMI)
- Society of Cardiovascular Magnetic Resonance (SCMR)
- North American Society for Cardiac Imaging (NASCI)
- Society of Cardiovascular Computed Tomography (SCCT)

8. Official Functions

- International Editorial Board of the European Heart Journal (EHJ).
- Consultant Editor of Current Cardiovascular Imaging Reports
- Nucleus Member and Secretary of the Working Group of Nuclear Cardiology and CT of the European Society of Cardiology (ESC)
- Working Group of Coronary Pathophysiology and Microcirculation of the ESC
- Board of Directors (BOD) of the Cardiovascular Council (CVC) of the Society of Nuclear Medicine (SNM)

- Member of the Editorial Board of the World Journal of Cardiology (Beijing, China)

9. Scientific Functions / Activities

Peer Review Activities for Manuscripts:

Main activities:

- European Heart Journal (EHJ)
- Journal of the American College of Cardiology (JACC)
- The Journal of Nuclear Cardiology (JNC)
- JACC-Imaging
- Academic Radiology

Other Activities:

○ Circulation-Imaging; Arteriosclerosis, Thrombosis, and Vascular Biology (ATVB); The Journal of Nuclear Medicine (JNM); American Heart Journal (AHJ); American Journal of Cardiology (AJC), American Journal of Hypertension; Diabetologia; The European Journal of Nuclear Medicine and Molecular Imaging; International Journal of Cardiovascular Imaging ; American Journal of Roentgenology (AJR), Computerized Medical Imaging and Graphics; Contemporary Clinical Trials; Current Cardiology Reviews; Molecular Imaging and Biology; Medical & Biological Engineering & computing.

Review Activities for Research Grant Applications:

- Fonds National Suisse (SNF)
- Canadian Institutes of Health Research (CIHR)
- National Natural Science Foundation of China (NSFC) and Research Grants Council (RGC) of Hong Kong/ China

Review Activities for Abstracts of International Meetings:

American College of Cardiology (ACC), Society of Nuclear Medicine (SNM), American Society of Nuclear Cardiology (ASNC), International Congress of Nuclear Cardiology (ICNC), European Society of Cardiology (ESC).

10. Faculty Activities

- Faculty of the American College of Cardiology (ACC)
- Board Member of Directors (BOD) of the Cardiovascular Council (CVC) of the Society of Nuclear Medicine (SNM)
- Nucleus of the Working Group of Nuclear Cardiology and CT of the European Society of Cardiology (ESC)
- Working Group of Coronary Pathophysiology and Microcirculation of the European Society of Cardiology (ESC)

- Faculty of the Society of Nuclear Medicine and Molecular Imaging
- Faculty if the International Congress of Nuclear Cardiology (ICNC)

11. RESEARCH GRANTS

A) UNIVERSITY HOSPITALS OF FREIBURG, GERMANY:

TOTAL AMOUNT: DM 360'000.- (1997-2000)

- 1997 - 2000** ○ Research Grant from the Center for Clinical Research II (CCR II) of the University Hospital of Freiburg: Heart and Vascular Disease – „Analysis and Integration of Form and Function" (Project THS-A1), Freiburg, Germany.

Project THS-A1: DM 200'000.-

- 1999 -2000** ○ Research Grant from the Center for Clinical Research II (CCR II) of the University Hospital of Freiburg: « Endothelial dysfunction of the coronary circulation and its responses to medical intervention evaluated by cardiac PET imaging ».

Project THS et EUN A1/A2: DM 160'000.-

B) UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA), CALIFORNIA, USA:

TOTAL AMOUNT: \$ 2'500'000.-

- 2003-2008** ○ NIH 2 ROI HL-02-016 "Mechanisms of CVD and Endothelial Dysfunction in Obesity"
Heinrich R. Schelbert, MD, Principal Investigator
(Thomas H. Schindler, Co-investigator)

C) UNIVERSITY HOSPITALS OF GENEVA, GENEVA, SWITZERLAND:

TOTAL AMOUNT: CHF 624'400.-

- 2007** ○ « Reseach Fellowship Grant » of the Italien Society of Cardiology « Società Italiana di Cardiologia » for Dr. Gabriella Vincenti: " Relationship

between obesity, adipocytokines, endocannabinoids and coronary circulatory dysfunction, and its modifications by weight loss”.

EURO 30.000.-

2008

○ « Research Fellowship Grant » of the « European Society of Cardiology (ESC) Atherothrombosis Research Grant » for Dr. Gabriella Vincenti: “Relationship between Increasing Body Weight, Adipocytokines, Endocannabinoids, Coronary Circulatory Dysfunction as determined with PET and its Effects on Regional Left Ventricular Function as assessed with “tagged” MRI”.

EURO 50.000.-

○ Clinical Research Grant of the Department of Internal Medicine of the University Hospital and the Faculty of Geneva: “ Relationship between obesity, adipocytokines, endocannabinoids and coronary circulatory dysfunction, and its modifications by weight loss”.

CHF 30.000.-

○ « Young Investigator Travel Award » pour Dr. René Nkoulou de la « Society of Nuclear Medicine (SNM) », New Orleans, USA .

Dollars 1.000.-

○ « Young Investigator Travel Award » pour Dr. Gabriella Vincenti from the « American Society of Nuclear Cardiology (ASNC)», Boston, USA.

Dollars 1200.-

○ Grant from the Suisse National Research Foundation (SNF), division of biology and medicine for project: “ Relationship between increasing body weight, endocannabinoids, leptin and coronary circulatory dysfunction” (duration 36 months).

CHF 216.000.-

○ Grant from « Centre de recherche clinique » (CRC), de la Faculté de médecine et Hôpitaux Universitaires de Genève, Projet de recherche et développement chercheurs avancés ». Project : “Relationship between increasing body weight, endocannabinoids, leptin and coronary circulatory dysfunction”

CHF 120.000.- (2009-2011)

2009

○ One year « Research Fellowship Grant » of the University of Genova (Italy), School of Medicine for Dr. Alessandra Quercioli

CHF 40.000.-

2010

○ « Research Fellowship Grant » (No: 09B49) of the Novartis Foundation for Biological and Medical Research, Basel, Switzerland, for Dr. Alessandra Quercioli

Project : “ Relationship between increasing body weight, endocannabinoids, leptin and coronary circulatory dysfunction”

CHF 57.000.-

○ Grant from the Suisse Heart Foundation for the project entitled: Relationship between increasing body weight, endocannabinoids, leptin, and coronary circulatory function.

CHF 25.000.-

○ Clinical Research Stimulus Grant of the Department of Specialities of Medicine, University Hospital of Geneva (Dr. R. Nkoulou): “ Effects of HIV on coronary function and morphology”.

CHF 20.000.-

2011

○ Clinical Research Stimulus Grant of the Department of Medical Imaging and Information Science, University Hospital of Geneva (Dr. R. Nkoulou): “ Effects of HIV on coronary function and morphology”.

CHF 18.000.-

○ « Travel and Registration Award » pour Dr. Alessandra Quercioli from the European Association for the Study of Obesity (EASO).

Euro 1000.-

12. Pre- and Postgraduate Courses (Faculty of Medicine, University of Geneva)

since 2006:

PRE-GRADUATE COURSES

- Unité Coeur et Circulation (2^{ème} année),
Tutoriaux (48 hrs)
- Unité Synthèse du module 2, (4^{ième} année), Seminaire de Compétences Cliniques (CC), *Moniteur (4hrs)*
- Unité d`Introduction à la Démarche Clinique (UIDC) (4^{ème} année), Seminaire de Compétences Cardiologie Cliniques, *Moniteur (6hrs)*

- Apprentissage en Milieu Clinique (AMC), Médecine Interne (4^{ème}/5^{ème} année), *Tutoriaux (6hrs)*
- Répétitoires- Compétences Cliniques « Circulation » (4hrs)
- Cours à options recherche cardiovasculaire (28hrs)

POST-GRADUATE COURSES

Division of Cardiologie, HUG, Geneva, 2006-2011:

- Cardiovascular Imaging Lecture and Journal Club (*each 2 weeks for 1hr*)
- Tuesday lecture for Internal Medicine/Cardiology Fellows: Nuclear Cardiology/PET-imaging (*3hrs per year*)
- *National and international lectures (invited) in the field of Nuclear Cardiology and Cardiovascular Imaging.*

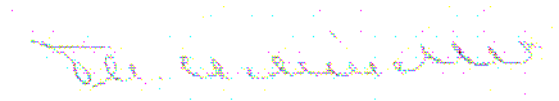
13. References

- Professor Heinrich Schelbert / UCLA-California, USA (hschelbert@mednet.ucla.edu)
- Professor Hanjörg Just /Freiburg, Germany (hanjoerg.just@uniklinik-freiburg.de)
- Professor Vasken Dislizian / Baltimore, USA (vdilsizian@umm.edu)

14. Date, Place and Signature

Place and date:

Geneva , 2nd of september 2011



Thomas H. Schindler, MD
Deputy Head Physician