

# Tanja Martina Schmidt

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**Nationality:** German | **Gender:** Female

## ● WORK EXPERIENCE

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30/09/2010 – CURRENT Ansbach, Germany

**PROFESSOR "BIOMEDICAL ENGINEERING"** HOCHSCHULE ANSBACH, UNIVERSITY OF APPLIED SCIENCES

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Professor in bachelor's degree programme "Biomedical Engineering" and master's degree programme "Medical Engineering".

Scientific interests: Regulatory affairs on medical devices, biostatistics on medical devices, orthopaedic implants, cardiovascular implants, extracorporeal circulation.

**Address** Ansbach, Germany

31/12/2004 – 29/09/2010 Dürrewangen, Germany

**MEDICAL DEVICES REGULATORY AFFAIRS CONSULTANT SELF-EMPLOYED (FREELANCER)**

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Clinical evaluations of mainly class III devices

Risk-analysis acc. to EN ISO 14971

Planning, organisation, and statistical analysis of clinical investigations with medical devices acc. to EN ISO 14155 series

Biocomp. analysis acc. to EN ISO 10993 series

Regulatory affairs on medical devices

**Address** Dürrewangen, Germany

31/12/2000 – 30/12/2004 Heidelberg, Germany

**UNIVERSITY RESEARCH ASSISTANT AND ASSISTANT CARDIAC SURGEON** HEIDELBERG UNIVERSITY HOSPITAL, DEP. OF CARDIAC SURGERY

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Assistant doctor and researcher in thoracic and cardiovascular surgery

Member of the collaborative research center 414: "Information Technology in Medicine - Computer and Sensor-Aided Surgery":

cardiac surgery, computer- and sensor-aided surgery, control-engineering in medicine, robotic surgery, extracorporeal circulation

**Address** Heidelberg, Germany

05/08/1997 – 30/12/2000 Heidelberg, Germany

**SCIENTIFIC CONSULTANT DRUGS / MEDICAL DEVICES** SELF-EMPLOYED (FREELANCER)

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Planning, organisation, statistical analysis and biometrical and clinical reports for clinical investigations with drugs and medical devices, regulatory affairs on medical devices, Medical and technological state of the art reports on medical treatments with medical devices, Medical writing

**Address** Villingen-Schwenningen, Germany

18/08/1996 – 04/08/1997 Pontefract, Glasgow, United Kingdom

**HOUSE OFFICER INTERNAL MEDICINE / GENERAL AND VASCULAR SURGERY** PONTEFRACT GENERAL INFIRMARY, STOBHILL HOSPITAL GLASGOW

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House officer in general and vascular surgery and in internal medicine (cardiology, cardiac arrest team, respiratory medicine, Gastroenterology)

**Address** Glasgow, Pontefract, United Kingdom

30/11/1995 – 29/08/1996 Heidelberg, Germany

**RESEARCH ASSISTANT** CLINICAL RESEARCH ORGANISATION PD DR. WOLF

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Medical writing, study design, biostatistics, regulatory affairs, systematic reviews, clinical data appraisal of drugs and medical devices. Planning, organisation, statistical analysis and biometrical reports and clinical reports for clinical investigations with drugs and medical devices

**Address** Heidelberg, Germany

## ● EDUCATION AND TRAINING

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30/09/1988 – 30/03/1996 Heidelberg, Germany

**LICENCE TO PRACTICE MEDICINE; STATE EXAMINATION MEDICINE** University of Heidelberg

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Practical year in Internal Medicine, Orthopaedics, General Surgery, A&E, Neurology

1994-1995 Université Claude Bernard Lyon 1, France (Erasmus Scholarship)

**Address** Im Neuenheimer Feld 672, Heidelberg, Germany | **Website** <http://www.medizinische-fakultaet-hd.uni-heidelberg.de/>

28/02/1998 – 30/08/2000 Villingen-Schwenningen, Germany

**GRADUATE ENGINEER "MEDICAL ENGINEERING"** University of Applied Sciences Furtwangen

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Medical Engineering, Mechanical Engineering, Control Engineering

**Address** Jakob-Kienzle-Straße 17, Villingen-Schwenningen, Germany | **Website** <https://www.hs-furtwangen.de>

## ● ADDITIONAL INFORMATION

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### PUBLICATIONS

#### Publications

Scientific Committee on Health Environmental and Emerging Risks (SCHEER), Schmidt TM (2019): Guidelines on the benefit-risk assessment of the presence of phthalates in certain medical devices. Available from: [https://ec.europa.eu/health/sites/health/files/scientific\\_committees/scheer/docs/scheer\\_o\\_015.pdf](https://ec.europa.eu/health/sites/health/files/scientific_committees/scheer/docs/scheer_o_015.pdf)

Albers J, Schmidt T, Hassfeld S, Heid F, Vahl CF (2007): Sternotomie und Kraniotomie mithilfe autonomer Roboter. Z Herz- Thorax- Gefäßschir. 21(6): p. 266-272

Günther F, Kayhan N, Schmidt T, Steinitz A, Krempien R, Vahl CF (2005): Akuteffekte von Photonenstrahlung auf den kontraktilem Apparat von Vorhofmyokard. Z Herz- Thorax- Gefäßschir 19: 114-125

Bender F, Reinerth G, Kayhan N, Schmidt TM, Schuppe A, Hagl S, Vahl CF (2004): Verkürzung und Kraftentwicklung in gehäutetem, menschlichem Myokard von Patienten mit chronischem Vorhofflimmern. Z Herz- Thorax- Gefäßschir 18(2): 101-111.

Albers J, Heggemann F, Schmidt T, Bahner ML, Boese JM, Vahl CF, Hagl S (2003): Multidetector-computed tomography for coronary artery operation planning: evaluation of the method. Int Congr Ser (Proceedings of Comp Ass Radiol Surg) 1256: 742-746

Albers J, Schmidt T, Bender F, Vahl CF, Hagl S (2002): Dynamic three-dimensional visualization of intra-myocardial texture. Transpl Proc 34: 2194-2198

Kayhan N, Schmidt TM, Bonz A, Sonnenberg K, Vahl CF, Hagl S (2002): Effects of Trifluoperazine on the Contraction Kinetics of the Isolated Intact Tracheal and Pulmonary Artery. Smooth Muscle. Thorac Cardiovasc Surg 50: 49-54

Meyrowitz G, Schmidt TM, Naujokat E, Albers J, Kiencke U, Vahl CF, Hagl S (2002): Mehrgrößenregelungssysteme für die extrakorporale Zirkulation. Biomedizinische Technik 47, Ergänzungsband 1, Teil 2: 915-918

Zwick N, Ell N, Kayhan N, Schmidt T, Kewitz S, Schöls W, Hagl S, Vahl CF (2001): Kraft-Frequenz-Beziehung und intrazelluläres Calcium bei Patienten mit chronischem Vorhofflimmern. Z Herz-, Thorax-, Gefäßschir 15: 205-213

Rietbrock N, Hamel M, Hempel B, Mitrovic V, Schmidt T, Wolf GK (2001): Wirksamkeit eines standardisierten Extraktes aus frischen Crataegus-Beeren auf Belastungstoleranz und Lebensqualität bei Patienten mit Herzinsuffizienz (NYHA II). Arzneimittel-Forschung 51(10):793-8

Wolf GK, Schmidt T (1999): Prüfplan und Auswertungsmethode für Studien zu physikalischen Therapieverfahren. Akt Dermatol 25: 95-98

Breithaupt-Grogler K, Ling M, Schmidt T, Wolf GK, Belz GG (1996): Effects of Chronic Garlic Intake on Aortic Stiffness. Phytomedicine 3: 139

Ling M, Breithaupt-Grogler K, Schmidt T, Wolf GK, Belz GG (1996). Chronic intake of standardized garlic powder preparation improves aortic elastic properties. European Journal of Clinical Pharmacology. 50(6): 548

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