

Uta Schmidt-Straßburger

Email address: schmidtuta@web.de

Gender: Female Nationality: German

About me

I am a highly dedicated educator and scientist. My international students often praise my leading style as "leading by example". And this is what I do. I go the extra mile for a better outcome, be that a better learning achievement, a better lecture or a grant for one of my post-graduate students from all over the world.

For more than 10 years I have been acting as the scientific director of the Advanced Oncology study program, an international degree-awarding blended-learning program of Ulm University, Germany. This study program incorporates all elements of a modern adult learning setting with the aim to better oncology knowledge everywhere in the world. It gives me profound satisfaction to see my students excel in their paths, not only during the studies, but also long beyond the time of their studies.

Work experience

[01 Feb 2012 – Current]

Scientific Director

Ulm University, Ulm, Germany

Advanced Oncology Study Program

Leadership: Team Leader in the

- administration and
- running of the international post-graduate blended learning program

Teaching and research:

- Development, implementation, supervision of curricular activities,
- participation in the self-administration of research and teaching in different committees,
- lecturer,
- master thesis supervision, examiner of master's theses,
- guidance of students beyond curricular activities

HR and administration:

- Staff supervision,
- grant writing,
- acquisition of third-party funding,
- fostering of international research collaborations

[31 Dec 2005 – 30 Jan 2012] **Senior Postdoctoral Researcher**

Ulm University Ulm, Germany

Institute of Physiological Chemistry

Research: Basic research into

- the forkhead box protein 3 (FoxO3) and its role in murine neurodevelopment and aging,
- the role of NF-κB in epithelial-mesenchymal transition and atherogenesis

Teaching:

- Integrated seminars in biochemistry for medical students,
- practical courses in biochemistry for students of medicine, dentistry, biochemistry, and molecular medicine,
- biochemistry examiner of the first section of the medical examination ("Physikum")

HR and administration:

- Staff supervision,
- grant writing,
- acquisition of third-party funding,
- national and international research collaborations

[14 Sep 2001 – 4 Nov 2005] **Postdoctoral Researcher**

TUD Dresden University of Technology, Dresden,
Germany **Department of Urology**

Research: Basic research into

- urological neoplasias,
- tumor cell dissemination,
- gene expression

HR and administration:

- Staff supervision,
- grant writing,
- acquisition of third-party funding,
- national research collaborations

Teaching: Co-supervision of diploma and MD theses

[31 Oct 1998 – Sep 2001] **Assistante**

Université de Genève, Geneva, Switzerland
Département de physiologie

Research: Basic research into

- cardiac physiology,
- molecular imaging

Teaching:

- Practical courses of physiology for medical students (classical and problem-oriented)

[1 Aug 1995 – 30 Oct 1998] **Scientific collaborator**

TUD Dresden University of Technology, Dresden,
Germany **Department of Urology**

Research: Basic research into

- urological neoplasias with a focus on prostate cancer gene expression

HR:

- Staff supervision (technicians, PhD and MD students)

Teaching:

- Co-supervision of an MD thesis in Urology

Education and Training

[1 Aug 1995 – 1 Nov 1999]

Biochemistry, Urology, PhD

Technical University of Dresden, Dresden, Germany

[31 Aug 1990 – 18 Jun 1995]

Biochemistry, Diploma

Leipzig University, Leipzig, Germany

Bibliography

Uta Schmidt-Straßburger

Peer-reviewed Articles

- 1: Gomm SIM, Ebner FK, Lukac S, El Taie Z, Janni W, Schmidt-Straßburger U, Stoinschek B, Dayan D. Mobile Applications Available in Germany Supporting Breast Cancer Patients During Treatment and Aftercare: a Systematic Review. *Geburtshilfe Frauenheilkd.* 2022 Sep 13;82(9):941-954. doi: 10.1055/a-1909-8736. eCollection 2022 Sep.

- 2: Mayer B, Ring C, Muche R, Rothenbacher D, Schmidt-Strassburger U. Creating a blended learning module in an online master study programme in oncology. *Educ Health (Abingdon).* 2015 Jan-Apr;28(1):101-5. doi: 10.4103/1357-6283.161951. PMID: 26261125

- 3: Schmidt-Strassburger U, Schips TG, Maier HJ, Kloiber K, Mannella F, Braunstein KE, Holzmann K, Ushmorov A, Liebau S, Boeckers TM, Wirth T. Expression of constitutively active FoxO3 in murine forebrain leads to a loss of neural progenitors. *FASEB J.* 2012 Dec;26(12):4990-5001. Epub 2012 Aug 30 PubMed PMID: 22935140.

- 4: Maier HJ, Schmidt-Strassburger U, Huber MA, Wiedemann EM, Beug H, Wirth T. NF-kappaB promotes epithelial-mesenchymal transition, migration and invasion of pancreatic carcinoma cells. *Cancer Lett.* 2010 Sep 28;295(2):214-28. Epub 2010 Mar 29. PubMed PMID: 20350779.

- 5: Schmidt U, Fuessel S, Koch R, Baretton GB, Lohse A, Tomasetti S, Unversucht S, Froehner M, Wirth MP, Meye A. Quantitative multi-gene expression profiling of primary prostate cancer. *Prostate.* 2006 Oct 1;66(14):1521-34. PubMed PMID: 16921506.

- 6: Kraemer K, Schmidt U, Fuessel S, Herr A, Wirth MP, Meye A. Microarray analyses in bladder cancer cells: inhibition of hTERT expression down-regulates EGFR. *Int J Cancer.* 2006 Sep 15;119(6):1276-84. PubMed PMID: 16615118.

- 7: Kunze D, Fuessel S, Meye A, Wirth MP, Schmidt U. Functional analyses of C13orf19/P38IP in prostate cell lines. *Oncol Rep.* 2006 Jun;15(6):1599-604. PubMed PMID: 16685401.

8: Fuessel S, Weigle B, Schmidt U, Baretton G, Koch R, Bachmann M, Rieber EP, Wirth MP, Meye A. Transcript quantification of Dresden G protein-coupled receptor (D-GPCR) in primary prostate cancer tissue pairs. *Cancer Lett.* 2006 May 8;236(1):95-104. Epub 2005 Jun 27. PubMed PMID: 15979782.

9: Fuessel S, Herrmann J, Ning S, Kotsch M, Kraemer K, Schmidt U, Hakenberg OW, Wirth MP, Meye A. Chemosensitization of bladder cancer cells by survivin-directed antisense oligodeoxynucleotides and siRNA. *Cancer Lett.* 2006 Feb 8;232(2):243-54. PubMed PMID: 16458121.

10: Froehner M, Hakenberg OW, Koch R, Schmidt U, Meye A, Wirth MP. Comparison of the clinical value of complexed PSA and total PSA in the discrimination between benign prostatic hyperplasia and prostate cancer. *Urol Int.* 2006;76(1):27-30. PubMed PMID: 16401917.

11: Blümke K, Bilkenroth U, Schmidt U, Melchior A, Füssel S, Bartel F, Heynemann H, Fornara P, Taubert H, Wirth MP, Meye A. Detection of circulating tumor cells from renal carcinoma patients: experiences of a two-center study. *Oncol Rep.* 2005 Oct;14(4):895-9. PubMed PMID: 16142348.

12: Schmidt U, Fuessel S, Haase M, Kraemer K, Meye A, Wirth MP. Quantification of C13orf19/P38IP mRNA expression by quantitative real-time PCR in patients with urological malignancies. *Cancer Lett.* 2005 Jul 28;225(2):253-60. Epub 2004 Dec 9. PubMed PMID: 15978328.

13: Krause S, Förster Y, Kraemer K, Fuessel S, Kotsch M, Schmidt U, Wirth MP, Meye A, Schwenzer B. Vascular endothelial growth factor antisense pretreatment of bladder cancer cells significantly enhances the cytotoxicity of mitomycin C, gemcitabine and Cisplatin. *J Urol.* 2005 Jul;174(1):328-31. PubMed PMID: 15947684.

14: Kraemer K, Fuessel S, Kotsch M, Ning S, Schmidt U, Wirth MP, Meye A. Chemosensitization of bladder cancer cell lines by human telomerase reverse transcriptase antisense treatment. *J Urol.* 2004 Nov;172(5 Pt 1):2023-8. PubMed PMID: 15540782.

15: Ning S, Fuessel S, Kotsch M, Kraemer K, Kappler M, Schmidt U, Taubert H, Wirth MP, Meye A. siRNA-mediated down-regulation of survivin inhibits bladder cancer cell growth. *Int J Oncol.* 2004 Oct;25(4):1065-71. PubMed PMID: 15375557.

16: Hoefling C, Schmidt H, Meinhardt M, Lohse A, Taubert H, Fuessel S, Schmidt U, Schuster K, Baretton G, Wirth MP, Meye A. Comparative evaluation of microsatellite marker, AP-PCR and CGH

studies in primary renal cell carcinoma. *Int J Mol Med*. 2004 Jun;13(6):835-42. PubMed PMID: 15138621.

17: Schmidt U, Bilkenroth U, Linné C, Fuessel S, Kraemer K, Froehner M, Wirth MP, Meye A. Quantification of disseminated tumor cells in the bloodstream of patients with hormone-refractory prostate carcinoma undergoing cytotoxic chemotherapy. *Int J Oncol*. 2004 Jun;24(6):1393-9. PubMed PMID: 15138579.

18: Fuessel S, Kueppers B, Ning S, Kotzsch M, Kraemer K, Schmidt U, Meye A, Wirth MP. Systematic in vitro evaluation of survivin directed antisense oligodeoxynucleotides in bladder cancer cells. *J Urol*. 2004 Jun;171(6 Pt 1):2471-6. PubMed PMID: 15126878.

19: Kraemer K, Fuessel S, Schmidt U, Kotzsch M, Schwenzer B, Wirth MP, Meye A. Antisense-mediated hTERT inhibition specifically reduces the growth of human bladder cancer cells. *Clin Cancer Res*. 2003 Sep 1;9(10 Pt 1):3794-800. PubMed PMID: 14506173.

20: Fuessel S, Sickert D, Meye A, Klenk U, Schmidt U, Schmitz M, Rost AK, Weigle B, Kiessling A, Wirth MP. Multiple tumor marker analyses (PSA, hK2, PSCA, trp-p8) in primary prostate cancers using quantitative RT-PCR. *Int J Oncol*. 2003 Jul;23(1):221-8. PubMed PMID: 12792797.

21: Meye A, Bilkenroth U, Schmidt U, Fuessel S, Robel K, Melchior AM, Blümke K, Pinkert D, Bartel F, Linne C, Taubert H, Wirth MP. Isolation and enrichment of urologic tumor cells in blood samples by a semi-automated CD45 depletion autoMACS protocol. *Int J Oncol*. 2002 Sep;21(3):521-30. PubMed PMID: 12168095.

22: Baertschi AJ, Monnier D, Schmidt U, Levitan ES, Fakan S, Roatti A. Acid prohormone sequence determines size, shape, and docking of secretory vesicles in atrial myocytes. *Circ Res*. 2001 Aug 3;89(3):E23-9. PubMed PMID: 11485981.

23: Fiedler U, Ehlers W, Meye A, Fuessel S, Faller G, Schmidt U, Wirth MP. LOH analyses in the region of the putative tumour suppressor gene C13 on chromosome 13q13. *Anticancer Res*. 2001 Jul-Aug;21(4A):2341-50. PubMed PMID: 11724291.

24: Schindler A, Fiedler U, Meye A, Schmidt U, Fuessel S, Pilarsky C, Herrmann J, Wirth MP. Human telomerase reverse transcriptase antisense treatment downregulates the viability of prostate cancer cells in vitro. *Int J Oncol*. 2001 Jul;19(1):25-30. PubMed PMID: 11408918.

25: Schmidt U, Fiedler U, Pilarsky CP, Ehlers W, Füssel S, Haase M, Faller G, Sauter G, Wirth MP. Identification of a novel gene on chromosome 13 between BRCA-2 and RB-1. Prostate. 2001 May 1;47(2):91-101. PubMed PMID: 11340631.

26: Pilarsky CP, Schmidt U, Eissrich C, Stade J, Froschermaier SE, Haase M, Faller G, Kirchner TW, Wirth MP. Expression of the extracellular matrix signaling molecule Cyr61 is downregulated in prostate cancer. Prostate. 1998 Jul 1;36(2):85-91. PubMed PMID: 9655260.

27: Tröger W, Lippert C, Schmidt P, Schmidt U, Butz T, Hoffmann R, Zeppezauer M and the ISOLDE Collaboration. Hg-coordination studies of cysteine containing oligopeptides. Zeitschrift für Naturforschung. 1996 A51: 427-30. DOI: <https://doi.org/10.1515/zna-1996-5-617>

Book Chapters

Schmidt-Straßburger U. Blended Learning for Oncologists and Their Colleagues in Schmidt-Straßburger (ed.) Improving Oncology Worldwide. Series Title: Sustainable Development Goals Series ISBN : 978-3-030-96052-0

Schmidt-Straßburger U. Neural Stem Cells in Development and Aging. in Rudolph KL (ed): Advances in Stem Cell Aging. <https://www.karger.com/Article/FullText/338027> Else Kröner-Fresenius Symp. Basel, Karger, 2012, vol 3, pp 112–120

Book

Schmidt-Straßburger U (ed.) Improving Oncology Worldwide. Series Title: Sustainable Development Goals Series ISBN : 978-3-030-96052-0