

CURRICULUM VITAE

Personal Particulars

Name	Daniel Sidler	
Academic title	Dr. med. et phil.	
Nationality	Swiss (CH)	
Email	daniel.sidler@extern.insel.ch	
Professional Address	Klinik für Nephrology und Hypertonie University Hospital Bern Freiburgstrasse 3010 Bern Tel. +41 31 632 31 44	
Languages	German	good knowledge in speech and writing (native language)
	English	good knowledge in speech and writing
	French	basic knowledge in speech and writing

Academic Education

- Pending **Labortierkudukurs Update, Trial Design and Power Calculations, 31.05.17**
Good Clinical Practice Update, 12. und 19.09.17 (angemeldet)
Didaktik Kurs Universität Bern, angemeldet für 19.06. und 20.-22.11.17
REDCap Training, 12.06., 03.07. oder 04.09. (noch nicht angemeldet)
- Since 2017 **Primary Investigator**
in Experimental Immunology and Transplantation
Department for Nephrology and Hypertension, University Hospital Bern
- Since 2017 **Marie Curie Fellow**
of the Program on Integrative Kidney Physiology and Pathophysiology (IKPP 2)
- 2014 - 2016 **Postdoctoral Fellow**
La Jolla Institute for Allergy and Immunology
Prof. Michael Croft
"Role of TNF superfamily members TWEAK and LIGHT in chronic inflammatory disorders"
- 2010 **Doctor of Medicine and Philosophy (MD, PhD)**
Faculties of Medicine, Philosophy and Natural Sciences, University of Bern
- 2007 – 2010 **MD/PhD-Studies at the Institute for Pathology, Bern**
Division of Immunopathology, University of Bern (Prof. Thomas Brunner)
supported by a MD/PhD-Fellowship of the Swiss National Foundation.
"Regulation of Glucocorticoid Synthesis and Apoptosis in Colorectal Cancer Cells"
- 2008 **Doctor of Medicine (MD)**
Faculty of Medicine, University of Bern
- 2003 – 2006 **MD-Studies at the Department of Visceral and Transplant Surgery, Bern**
Department for Visceral Surgery and Medicine, University Hospital Bern
(Prof. Daniel Inderbitzin, Prof. Daniel Candinas)
„Granulocyte-colony stimulating factor increases hepatic sinusoidal perfusion during liver regeneration in mice“
- 2000 – 2006 **Medical School**, Faculty of Medicine University of Bern

Clinical Career

- Since 2017 **Deputy Senior Physician**
Department for Nephrology and Hypertension, University Hospital Bern
- 10/2014 **Board Certification for General Internal Medicine**
FMH Swiss Medical Association
- 2012-2014 **Clinical Resident in Nephrology and Hypertension**
Department for Nephrology and Hypertension, University Hospital Bern
(Prof. Bruno Vogt)

2010 - 2012 **Clinical Resident in General Internal Medicine**
 Department for Medicine, University Hospital, Inselspital Bern
 (Prof. Drahomir Aujesky)
 Department for Medicine, City Hospital Spital Netz Tiefenau, Bern
 (Prof. Hans-Peter Kohler, Dr. Martin Brack)

Teaching Expertise

Planned 2017 **Tutor in Clinical Skills, Medical Faculty, University of Bern**
 System Module: 03.10.17, 24.10.17, 31.10.17, 07.11.17, 14.11.17, 21.11.17

Since 01/17 **Tutor NCCR Kidney.ch**
 Advanced Studies in Translational Nephrology, Kidney/NCCR
 Kickoff Meeting on 03.03.17
 Return Meeting: planned for 19.10.17

Since 01/17 **Tutor Medical Faculty University of Bern, Amboss Miamed**
 Amboss Miamed Seminar on 09.03.17
 Return Meeting and Evaluation on 21.03.17

Since 01/17 **Case Developer for OSCE Tests, 5. Studienjahr**
 Prüfungsfall Pyelonephritis am 03.04.17

2007 - 2008 **Tutor, Isolation of Peripheral Blood Mononuclear Cells**
 1st academic year
 Graduate School, University of Bern (Prof. Thomas Brunner)

2002 - 2005 **Peer-Tutor, Preclinical Assistant in the Gross Anatomy Class**
 1st, 2nd and 3rd academic year
 Medical Faculty, University of Bern (Prof. Peter Gehr)

2002 **Peer-Tutor, Medical Faculty, University of Bern**
 Curriculum of the 1st academic year, Medical Faculty
 Medical Faculty, University of Bern (Prof. Peter Gehr)

2003 - 2006 **Peer-Tutor, Preclinical Assistant, Surgical Wound Management Course**
 2nd and 3rd academic year
 Medical Faculty, University of Bern (Prof. Valentin Djonov)

Scientific Supervisor for Research Projects

Starting 2017 **Scientific Supervisor** (co-supervised by Prof. Uyen Huynh-Do)
 MD-PhD Student
 Luca Valente, Medical Faculty, University of Bern

Starting 2017 **Scientific Supervisor** (co-supervised by Prof. Uyen Huynh-Do)
 Doctorate Student
 Ruhin Parsa, Medical Faculty, University of Bern

- Since 04/2017 **Scientific Supervisor** (co-supervised by Prof. Uyen Huynh-Do)
Master studies, Medical Faculty, University of Bern
Ms. Angela Büchel
Case studies of Bartonella infections in immunocompromised patients
- 2015 - 2016 **Scientific Supervisor** (co-supervised by Prof. Mick Croft)
Scientific Internship, La Jolla Institute for Allergy and Immunology
Ms. Meike Claus, University of Konstanz, Germany

Memberships and Nominations

- Since 03/2017 Ordinary Member of the European Renal Association (ERA-EDTA)
- Since 12/2016 Ordinary Member of the Swiss Society for Nephrology (SGN)
- Since 07/2001 Member of the Swiss Study Foundation (Studienstiftung), Zürich
- Since 10/2010 Member of the European Cell Death Organization (ECDO)
- Since 04/2015 Ordinary Member of the Swiss Medical Association (FMH)
- Since 01/2016 Ordinary Member of the American Association for Immunology (AAI)
- 11/2015 - 11/2016 Member of the Institutional Review Board for Clinical Studies
La Jolla Institute for Immunology and Allergology, La Jolla, USA
- 10/2013 - 10/2015 Member of the Board of Trustees of the Department for Nephrology and Hypertension, University Hospital Bern (Deputy of Residents)

Collaborations

- Prof. Mick Croft, PhD
La Jolla Institute for Allergy and Immunology
expertise: Biology and targeting of TNF superfamily members
- Dr. Dennis Wolf, MD
La Jolla Institute for Allergy and Immunology
expertise: T-cell mediated effects in chronic inflammation and atherosclerosis
- Prof. Thomas Müller, MD
Head of Kidney Transplantation Services, University Hospital Zurich.
expertise: transcript-based immune monitoring after kidney transplantation.
- Uyen Huynh-Do
Head of Kidney Transplantation Services, University Hospital Bern
expertise: Kidney development and experimental fibrosis
- Andrew McKnight, PhD
Senior Scientific Officer, Kyowa Kirin Pharmaceutical Inc., La Jolla, CA, USA

Dr. Konrad Buscher
 Nephrologist and Group Leader, Nephrology Department University of Muenster (D)
expertise: in vivo imagining of inflammatory cells in the kidneys

Fellowships, Awards and Research Grants

05/2017 – present	Investigator-driven Collaboration with Kyowa Kirin Foundation, La Jolla, USA	84'200 CHF
01/2017 - present	Research Grant of the Novartis Foundation for Medical-Biological Research	60'000 CHF
01/2017 - present	Marie Curie Fellowship, IKPP2	
01/2017 - present	Re-Integration Fellowship of the Swiss National Foundation	105'000 CHF
11/2014 - 11/2016	Advanced Mobility.Fellowship Schweizerische Stiftung für Biomedizinische Studien, SSMBS	160'000 CHF
03/2014 - 10/2014	Research Grant from the University Insel Hospital Bern	50'000 CHF
01/2007 - 12/2009	MD/PhD-Fellowship of the Swiss National Foundation	150'000 CHF

Awards

10/2016	Presentation Award at the La Jolla Institute Annual Meeting Daniel Sidler	
06/2006	Oncology for Medical Students Daniel Sidler Second best score European School of Oncology, Ioannina, Greece	
11/2005	Poster Price Arno Nordin and Daniel Sidler Hypoxia inhibits liver regeneration after partial hepatectomy in mice Swiss Society of Visceral Surgery, Zürich, June 2005	1'500 CHF
10/2005	R. Preisig-Fellowship Daniel Sidler Foundation for Liver Diseases, University of Bern	1'500 CHF
04/2004	Best Work of a Medical Student Daniel Sidler Mouse Liver Anatomy from a Microsurgical Point of View Day of Clinical Research 2004, University of Bern	2'000 CHF
06/2000	Sidler-Perovic Fellowship Daniel Sidler Second Best Score, High School Diploma Kantonsschule Alpenquai, Luzern	500 CHF

List of Publication**Original Articles**

- 1. TWEAK mediates inflammation in experimental atopic dermatitis and psoriasis**
Sidler D, Wu P, Herr R, Claus M, Wolf D, Kawakami Y, Kawakami T, Burkly L, Croft M
Nature commun, 8:15395, DOI: 10.1038/ncomms15395, in press
This publication the critical role of the TNF superfamily member TWEAK in the pathogenesis of Th2-mediated Atopic Dermatitis and Th17-mediated Psoriasis. This findings is relevant, since it underscores the importance of TWEAK in the pathogenesis of two pathophysiologically very distinct autoimmune disorders.
- 2. The TWEAK/Fn14 pathway is required for Calcineurin Inhibitor Toxicity of the Kidneys**
Claus M, Herro R, Wolf D, Buscher K, Rudloff S, Huynh-Do U, Burkly L, Croft L, Sidler D
in preparation für Transplantation International
- 3. Thiazolide-induced apoptosis in colorectal cancer cells is mediated via the Jun kinase-Bim axis and reveals glutathione-S-transferase P1 as Achilles' heel.**
Sidler D, Brockmann A, Mueller J, Nachbur U, Corazza N, Renzulli P, Hemphill A, Brunner T.
Oncogene. 2012 Sep 13;31(37):4095-106.
This publication describes the synergistic activity of Thiazolides with TRAIL and conventional chemotherapeutic drugs to induce apoptosis in colon cancer cell lines and proposes a mechanism of action. It includes a plethora of in vitro and ex vivo studies and stimulated further research and publications.
- 4. Synergistic induction of cell death in liver tumor cells by TRAIL and chemotherapeutic drugs via the BH3-only proteins Bim and Bid.**
Schneider-Jakob S, Corazza N, Badmann A, **Sidler D**, Stuber-Roos R, Keogh A, Frese S, Tschan M, Brunner T.
Cell Death Dis. 2010 Oct 21;1
- 5. Colon cancer cells produce immunoregulatory glucocorticoids.**
Sidler D, Renzulli P, Schnoz C, Berger B, Schneider-Jakob S, Flück C, Inderbitzin D, Corazza N, Candin D, Brunner T.
Oncogene. 2011 May 26;30(21):2411-9.
This publication describes that colon cancer cell lines produce immuno-regulatory glucocorticoids and thereby might regulate anti-tumor immune responses. It includes the precise investigation of steroidogenesis in various colon cancer cell lines and the analysis of steroidogenic enzymes in a series of colon cancer specimen.
- 6. Undifferentiated carcinoma of nasopharyngeal type (UCNT): a Swiss single-institutional experience during 1990-2005.**
Sidler D, Thum P, Winterhalder R, Huber G, Haerle SK.
Swiss Med Wkly. 2010 May;140(19-20):273-9.
- 7. Is there an additional value of SPECT/CT over planar lymphoscintigraphy for sentinel node mapping in oral/oropharyngeal squamous cell carcinoma?**
Haerle SK, Hany TF, Strobel K, **Sidler D**, Stoeckli SJ.
Ann Surg Oncol. 2009 Nov;16(11):3118-24.
- 8. Phenotyping, functional characterization, and developmental changes in canine intestinal intraepithelial lymphocytes.**
Luckschander N, Pfammatter NS, **Sidler D**, Jakob S, Burgener IA, Moore PF, Zurbriggen A, Corazza N,

- Brunner T.
Vet Res. 2009 Nov-Dec;40(6):58.
9. **(18)F-FDG-PET/CT versus panendoscopy for the detection of synchronous second primary tumors in patients with head and neck squamous cell carcinoma.**
Haerle SK, Strobel K, Hany TF, **Sidler D**, Stoeckli SJ.
Head Neck. 2010 Mar;32(3):319-25.
 10. **Multiparameter flow cytometry characterization of MHC class I negative mouse bone marrow cells.**
Quarta M, Stroka D, Keogh A, **Sidler D**, Avital I, Gloor B, Muraca M, Candinas D, Inderbitzin D.
Med Sci Monit. 2008 Dec;14(12):BR286-93.
 11. **Thiazolides inhibit growth and induce glutathione-S-transferase Pi (GSTP1)-dependent cell death in human colon cancer cells.**
Müller J*, **Sidler D***, Nachbur U, Wastling J, Brunner T, Hemphill A. (*joint first authorship)
Int J Cancer. 2008 Oct 15;123(8):1797-806.
In this article we describe the pro-apoptotic capacity of Thiazolides in human cancer cells and identify GSTPi as a major drug-target for Thiazolides in mammalian cells.
 12. **Use of a single bipolar electrode in the posterior arytenoid muscles for bilateral monitoring of the recurrent laryngeal nerves in thyroid surgery.**
Haerle S, **Sidler D**, Linder T, Mueller W.
Eur Arch Otorhinolaryngol. 2008 Dec;265(12):1549-52.
 13. **Granulocyte colony-stimulating factor increases hepatic sinusoidal perfusion during liver regeneration in mice.**
Sidler D, Studer P, Küpper S, Gloor B, Candinas D, Haier J, Inderbitzin D.
J Invest Surg. 2008 Mar-Apr;21(2):57-64.
This work proposes an mechanism of action, how Granulocyte colony-stimulating factor supports liver regeneration after extensive hepatic resection in mice using sophisticated techniques including intravital microscopy.
 14. **Abdominal magnetic resonance imaging in small rodents using a clinical 1.5 T MR scanner.**
Inderbitzin D, Stoupis C, **Sidler D**, Gass M, Candinas D.
Methods. 2007 Sep;43(1):46-53.
 15. **Granulocyte colony-stimulating factor supports liver regeneration in a small-for-size liver remnant mouse model.**
Inderbitzin D, Beldi G, **Sidler D**, Studer P, Keogh A, Bisch-Knaden S, Weimann R, Kappeler A, Gloor B, Candinas D.
J Gastrointest Surg. 2007 Mar;11(3):280-5.
 16. **Regenerative capacity of individual liver lobes in the microsurgical mouse model.**
Inderbitzin D, Studer P, **Sidler D**, Beldi G, Djonov V, Keogh A, Candinas D.
Microsurgery. 2006;26(6):465-9.
 17. **Magnetic resonance imaging provides accurate and precise volume determination of the regenerating mouse liver.**

Inderbitzin D, Gass M, Beldi G, Ayouni E, Nordin A, **Sidler D**, Gloor B, Candinas D, Stoupis C.
J Gastrointest Surg. 2004 Nov;8(7):806-11.

Review Articles

18. **Urinalysis in the 21st century: anything but obsolete!**

Sidler D, Huynh-Do U

Praxis (Bern 1994). 2015 Mar 25;104(7):349-52.

19. **Colon cancer cells produce immunoregulatory glucocorticoids.**

Sidler D, Renzulli P, Schnoz C, Berger B, Schneider-Jakob S, Flück C, Inderbitzin D, Corazza N, Candinas D, Brunner T.

Oncoimmunology. 2012 Jul 1;1(4):529-530.

20. **Extra-adrenal glucocorticoid synthesis in the intestinal epithelium: more than a drop in the ocean?**

Noti M, **Sidler D**, Brunner T.

Semin Immunopathol. 2009 Jul;31(2):237-48.

This review article summarizes experimental work in the field of extra-adrenal glucocorticoid synthesis with special focus of intestinal steroid synthesis and exploits its potential role in immune regulation and tumor-immune evasion.

Case Reports

21. **Giant kidneys.**

Arampatzis S, **Sidler D**, Honegger Bloch S, Devetzis V, Huynh-Do U.

Nephrology (Carlton). 2015 Jul;20(7):510.

22. **Nächtliche Differentialdiagnose von akuten Thoraxschmerzen.**

Sidler D, Baud P, Brack M, Kohler HP

Schweiz Med Forum 2012;12(22):440-441

23. **Basilar artery occlusion after acute myocardial infarction.**

Sidler D, Renz N, Brekenfeld C, Ercin E, Schroth G, Brack M.

Int J Cardiol. 2012 May 3;156(3):e57-9.