

**Name:** Tim Killeen BSc(HONS) MBChB MRCS(ENG)  
**Anschrift:** St. Gallen, Schweiz

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**Nationalität:** Britisch  
**Sprachkenntnisse:** Englisch (Muttersprache)  
Deutsch (verhandlungssicher)

**Forschungsprofil:** [Google Scholar](#) [ResearchGate](#)



**UK Neurosurgery National Selection Ranking 2016: 1**

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## Studium

**April 2013: Royal College of Surgeons of England, London, England**  
Intercollegiate MRCS

**2001 – 2008: Leeds University School of Medicine, West Yorkshire, England**  
MBChB Medicine

**2006 – 2007: University College London, England**  
Intercalated BSc Speech Science and Communication

**Forschungsprojekt** – Degeneracy and dynamic diaschisis: A case study using fMRI – betreut von Prof. Cathy Price, Wellcome Functional Imaging Laboratory, University College, London

**2004 – 2005: Eberhard Karls Universität Tübingen, Deutschland**  
Humanmedizin – Erasmusaustauschstudent – 4. und 5. klinische Semester

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## Beruflicher Werdegang

**Seit 1. November 2016: Kantonsspital St. Gallen, Schweiz**  
Assistenzarzt in der Neurochirurgie, PD. Dr. med. Astrid Weyerbrock

**Seit 15. Juni 2013: Zentrum für Paraplegie, Universitätsklinik Balgrist, Zürich, Schweiz**  
MD-PhD Student, Prof. Dr. Armin Curt / Prof. Dr. Martin E Schwab

**19. November 2012 – 31. Oktober 2016: Klinik Hirslanden, Zürich, Schweiz:**  
Assistenzarzt in der Neurochirurgie (50%), Prof. h.c. Dr. Evaldas Cesnulis

**12. November 2012 – 05. November 2013: Anatomisches Institut, Universität Zürich, Schweiz:** Anatomieassistent (30%)

**1. September – 31. Oktober 2012: Salford Royal Hospital, Manchester, England:** Senior House Officer / Registrar in der Neurochirurgie, Prof. Andrew King

**13. Dezember 2010 – 13. Dezember 2011: Wellington Regional Hospital, Wellington, Neuseeland:** Registrar in der Neurochirurgie, Mr A Wickremesekera

**5. August 2009 – 3. August 2010: Royal Free Hospital, London, England**

Academic Foundation Year 2 House Officer (100%)

Rotation 1: Urologie unter Miss G Smith

Rotation 2: Nuklearmedizin (akademische Stelle) unter Prof J Buscombe

Rotation 3: Notaufnahme unter Mr A Fogarty

**6. August 2008 – 4. August 2009: Barnet & Chase Farm Hospitals, London, England**

Foundation Year 1 House Officer (100%)

Rotation 1: Allgemeinchirurgie unter Mr S Warren

Rotation 2: Kardiologie unter Dr R Greenbaum

Rotation 3: 2 Monate Urologie / 2 Monate Intensivmedizin  
unter Mr G Webster / Dr N Macartney

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### Nebentätigkeiten

**2007 – 2008: UK Foundation Programme Office, Cardiff, Wales**

Studentischer Berater des nationalen Gremiums für die erste Phase ärztlicher Weiterbildung

**Juni – August 2004: Nansen Centre for Earth Observation, St Petersburg, Russland**

Wissenschaftlicher Assistent

**Seit 2001: Freiberuflicher Korrekturleser, Übersetzer und Webdesigner**

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### Famulatur

**Juli – Oktober 2007: Famulatur in der Neurochirurgie.** Betreut von Prof. Dr. Ullrich Meier, Unfallkrankenhaus Berlin, Deutschland.

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### Zusätzliche Lehr- und Forschungsaufträge

**Seit 2013: Mainz – Zurich Neurosurgical Course, Zürich, Schweiz:** Tutor

**31. Januar 2011 – 13. Dezember 2011: School of Medicine, University of Otago, Wellington, Neuseeland:** Honorary Clinical Senior Lecturer

**12. Dezember 2009 – 6. April 2010: National Hospital for Neurology and Neurosurgery, Queen Square, London, England:** Forschender Senior House Officer (ehrenamtlicher Vertrag)

### Betreute Masterstudenten

**Andreas Bircher**, ETH Zürich, Master in Movement Science and Sport; Biomechanics Major.

Titel: *Talking while walking: the effect of stimulus congruence in a cognitive dual-task on gait in the elderly.*  
Oktober 2014 – Mai 2015.

**Nicolas Hofer**, ETH Zurich, Master in Biology; Neuroscience Major.

Titel: *Upper and lower limb coordination in spinal cord injury.*  
Februar 2016 – August 2016.

## **Publikationen:**

**Killeen T**, Easthope CS, Filli L, Lórinč L, Schrafl-Altermatt M, Brugger P, Linnebank M, Curt A, Zörner B, Bolliger M. Increasing cognitive load attenuates right arm swing in healthy human walking. *Royal Society Open Science* 2017; 1: 160993

Filli L, Zörner B, Kapitzka S, Reuter K, Lórinč L, Weller D, Sutter T, **Killeen T**, Gruber P, Petersen J, Weller M, Linnebank M. Monitoring long-term efficacy of fampridine in gait-impaired patients with multiple sclerosis. *Neurology* 2017; 88: 1-10

**Killeen T**, Easthope CS, Filli L, Linnebank M, Curt A, Bolliger M, Zörner B. Modulating arm swing symmetry with cognitive load: a window on rhythmic spinal locomotor networks in humans? *Journal of Neurotrauma* 2016 (Epub ahead of print), PMID: 27574966

Kockro RA, **Killeen T**, Ayyad A, Glaser M, Stadie A, Reisch R, Giese A, Schwandt E. Aneurysm surgery with pre-operative 3D planning in a virtual reality environment: Technique and outcome analysis. *World Neurosurgery* 2016; 96: 489-99, PMID: 27609450

**Killeen T**, Rosner J, Jutzeler CR, Heilbronner R, Curt A. Spontaneous resolution of an extensive post-traumatic syrinx. *Neurology* 2016; 87(12): 1299-301, PMID 27543642

Ryskeldiyev N, Olenbay G, Auezova R, **Killeen T**, Aldiyarova N, Akhmetzhanova Z, Cesnulis E, Akshulakov A. Brain tumor in an in-vitro fertilization-facilitated pregnancy: fourth ventricle anaplastic ependymoma in the second trimester. *Journal of Neurological Surgery: Reports* 2016; 77(2):86-88, PMCID: 4914713

Kockro RA, Amaxopoulou C, **Killeen T**, Wagner W, Reisch R, Stadie A. Stereoscopic neuroanatomy lectures using a three-dimensional virtual reality environment. *Annals of Anatomy* 2015, 201: 91-98, PMID: 26245861

**Killeen T**, Jucker D, Went P, Muthurajah V, Woon K, Cesnulis E, Czaplinski A. Solitary tumour-like mass lesions of the central nervous system: primary angiitis of the CNS and inflammatory pseudotumour. *Clinical Neurology and Neurosurgery* 2015; 135: 34-7, PMID: 26010394

**Killeen T**, Kockro RA. Intracranial Aneurysm Risk Calculator: presenting data from the ISUIA and UCAs unruptured aneurysm trials. [Online Tool] 2014. Erhältlich [hier](#) (abgerufen am 1. Februar 2017).

Popugaev KA, Savin IA, Oshorov AV, Kurdomova NV, Ershova ON, Lubnin AU, Kadashev BA, Kalinin PL, Kutin MA, **Killeen T**, Cesnulis E, Melieste R. Postsurgical meningitis complicated by severe refractory intracranial hypertension with limited treatment options: the role of mild therapeutic hypothermia. *Journal of Neurological Surgery: Reports* 2014; 75(2): 224-9. PMID: 25485219

**Killeen T**, Wanke I, Mangiardi J, Cesnulis E. Ruptured, fusiform, distal lenticulostriate aneurysm causing intraventricular haemorrhage in a patient with antiphospholipid-negative Sneddon's syndrome. *Clinical Neurology and Neurosurgery* 2014; 116: 80-2. PMID: 24300743

**Killeen T**, Czaplinski A, Cesnulis E. Extradural spinal cavernous malformation: a rare but important mimic. *British Journal of Neurosurgery* 2014; 28(3): 340-6. PMID: 24073758

**Killeen T**, Tromop-van-Dalen C, Alexander H, Wickremesekera A. Bilateral retrocerebellar arachnoid cysts exerting mass effect and associated with cerebellar tonsillar ectopia in an otherwise healthy adult. *Neurologia medico-chirurgica* 2013; 53(4): 266-9. PMID: 23615422

**Killeen T**, Kamat A, Walsh D, Parker A, Aliashkevich A. Severe adhesive arachnoiditis resulting in progressive paraplegia following obstetric bupivacaine spinal anaesthesia: a case report and review. *Anaesthesia* 2012; 67: 1386-94. PMID: 23061983

Siehe auch begleitenden Leitartikel: Bogod D. The sting in the tail: antisepsis and the neuraxis revisited. *Anaesthesia* 2012; 67: 1305-9

**Killeen T**, Banerjee S, Dabbagh Z, Francis D, Warren S, Vijay V. Magnetic resonance pelvimetry as a predictor of operating time in laparoscopic resection of rectal cancer. *Surgical Endoscopy* 2010; 24(12): 2974-9. PMID: 20464426

**Killeen T**, Navalkisoor S, Buscombe J, Hall M. Voice recognition systems can cut nuclear medicine report turnaround time but may lead to more transcription errors [Abstract]. *Nuclear Medicine Communications* 2010; 31: 437-75, doi: 10.1097/MNM.0b013e328339ef84

Baguley D, **Killeen T**, Lewis G, Nicholson B, Martineau F. New global health directions for all health professionals. *Alma Mater Journal of Global Health* 2009; 1(1): 26-30 [Online]. Erhältlich [hier](#) (abgerufen am 1. Februar 2017).

Meier U, Ahmadi S, **Killeen T**, Al-Zain F, Lemcke J. Long term outcomes following decompressive craniectomy for severe head injury. *Acta Neurochirurgica (Wien); Supplement* 2008; 102: 29-31. PMID: 19388283

Al-Zain F, Lemcke J, **Killeen T**, Meier U, Eisenschenk A. Minimally invasive spinal surgery using nucleoplasty: a 1-year follow-up study. *Acta Neurochirurgica (Wien)* 2008; 150: 1257-62. PMID: 19023515

Baguley D, **Killeen T**, Wright J. International Health Links: an evaluation of partnerships between health care organizations in the UK and developing countries. *Tropical Doctor* 2006; 26: 149-54. PMID: 16884618

**Killeen T**. Travelling Man: Establishing Erasmus-funded medical exchanges. *Student BMJ* 2006; 14: 154-5

**Killeen T** (ed.) International Health Links Conference: Summaries, reflections and feedback (2005). Von der [UK Department of Health website](#) erhältlich (abgerufen am 1. Februar 2017).

#### **Wissenschaftliche Fachvorträge:**

**Killeen T**. 3D kinematic gait analysis and (micro)structural MRI of the brain and spinal cord - experimental applications and outlook for neurosurgical diagnosis and treatment. *Neurochirurgische Fortbildung*, Klinik für Neurochirurgie, Universitätsklinikum Tübingen, Deutschland, 9. November 2015.

**Killeen T**, Schmidt C, Lőrincz L, Filli L, Curt A, Bolliger M, Zörner B. Ambulation following spinal cord injury: mechanisms of recovery. 55. *wissenschaftliche Tagung der deutsch-englischen Ärztevereinigung*, Berlin, Deutschland, 4. – 7. September 2014.

**Killeen T**, Navalkisoor S, Buscombe J, Hall M. Voice recognition systems can cut nuclear medicine report turnaround time but may lead to more transcription errors. *38<sup>th</sup> Annual Meeting of the British Nuclear Medicine Society*, Harrogate, England, 26. – 28. April 2010.

**Killeen T**, Banerjee S, Vijay V, Dabbagh Z, Francis D, Warren S. Magnetic Resonance pelvimetry as a predictor of operating time in laparoscopic resection of rectal cancer. *17<sup>th</sup> International Congress of the European Association for Endoscopic Surgery*. Prag, Tschechien, 17. – 20. Juni 2009.

Baguley D, **Killeen T**. International Health Links: an evaluation of partnerships between health care organizations in the UK and developing countries. *1<sup>st</sup> International NHS Links Conference*. Leeds, England, 11. März 2005.

#### **Postervorträge:**

Easthope CS, **Killeen T**, Lőrincz L, Schrafl-Altermatt M, Filli L, Curt A, Zörner B, Bolliger M. Arm swing symmetry during dual-task walking: a window on the human CPG? *55<sup>th</sup> ISCoS Meeting, Vienna, Austria*, 14. – 16. September 2016. Erhältlich [hier](#).

**Killeen T**, Easthope CS, Lőrincz L, Schrafl-Altermatt M, Filli L, Curt A, Zörner B, Bolliger M. Arm swing during healthy gait: a verbal dual-task attenuates right arm swing. *21<sup>st</sup> Congress of the International Society for Electrophysiology and Kinesiology*. Chicago, USA. 4. – 7. Juli 2016. Erhältlich [hier](#).

**Killeen T**, Schmidt C, Lőrincz L, Bircher A, Meyer C, Weller D, Curt A, Linnebank M, Filli L, Zörner B, Bolliger M. Towards the human kinetome: gait analysis correlates of central nervous system lesions. *International KFSP Meeting 2015*. Ittingen, Schweiz. 5. – 7. März 2015. Erhältlich [hier](#).

Huber E, Grabher, **Killeen T**, Trachsler A, Bolliger M, Draganski B, Weiskopf N, Thompson A, Curt A, Freund P. Plasticity of grey and white matter in response to motor skill training in healthy individuals and those with spinal cord injury. *17<sup>th</sup> Annual Meeting of the Swiss Society for Neuroscience*. Fribourg, Schweiz. 24. Januar 2015.

**Killeen T**, Schmidt C, Lőrincz L, Kapitza S, Reuter K, Meyer C, Weller D, Awai L, Filli L, Curt A, Bolliger M, Zörner B. GaitPortfolio Zurich: Investigating human locomotion in health and neurological disease. *European MD-PhD Meeting 2014*. Brunnen, Schweiz, 11. – 13. Juli 2014. Erhältlich [hier](#).

**Killeen T**, Czaplinski A, Cesnulis E. Extradural spinal cavernous malformation: a review and presentation of a typical case. *Imperial Spine Course, Royal College of Surgeons*. London, England, 6. – 8. März 2013. Erhältlich [hier](#).

### **Kommentare:**

**Killeen T**, Dietz V, Curt A, Bolliger M. The orator's gait...? Response to "Gunslinger's gait": a new cause of unilaterally reduced arm swing, *BMJ* 2015; 351, Erhältlich [hier](#) (abgerufen am 1. Februar 2017).

**Killeen T**. Grüezi aus Zürich. *Medicine Matters* 2013; 37: 17-19

**Killeen T**, Kirwan D, Martineau F, Nicholson BD. Letter of the Month: Time for action. *BMJ Careers* 2007: Nov; 188

Baguley D, Lewis G, **Killeen T**, Martineau F, Nicholson B. Tooke brings focus but no solutions to those seeking global health work within MMC. *BMJ Careers Online* Oct 2007

### **Reviewer für folgende Zeitschriften:**

British Medical Journal, Journal of Neurosurgical Anesthesiology, Neurology

### **Organisation folgender Konferenzen:**

**56<sup>th</sup> Scientific Meeting of the Anglo-German Medical Society and binational meeting of the Anglo-Swiss Medical Society: Clinical Neuroscience Update**. Zürich, Schweiz, September 2015.

**3<sup>rd</sup> Annual Alma Mata Conference – Commercialisation and Health**, London, England, November 2007.

**2<sup>nd</sup> Annual Alma Mata Conference – Without Borders - Health Worker Migration**, Edinburgh University, Schottland, Dezember 2006.

## **Weiterbildungen, Fortbildungen und Prüfungen**

### **Akademisch:**

<i>Molecular Biology Block Course</i>	HS 2013	Universität Zürich, Schweiz
<i>Medical Immunology Block Course</i>	HS 2013	Universität Zürich, Schweiz
<i>Development of the Nervous System</i>	HS 2013	Universität Zürich, Schweiz
<i>Structure, Plasticity and Repair of the Nervous System</i>	HS 2013	Universität Zürich, Schweiz
<i>Introductory Course in Neuroscience I</i>	HS 2013	Zentrum für Neurowissenschaften Zürich, Schweiz
<i>Neuroscience Block Course</i>	FS 2014	Universität Zürich, Schweiz
<i>Introductory Course in Neuroscience II</i>	HS 2015	Zentrum für Neurowissenschaften Zürich, Schweiz
<i>Diseases of the Nervous System Block Course</i>	FS 2014	Universität Zürich, Schweiz
<i>System Identification and Kalman Filtering</i>	FS 2014	ETH Zürich, Schweiz
<i>Modern Approaches to Neurorehabilitation</i>	FS 2014	Universität Zürich, Schweiz
<i>Statistics for Neuroscientists</i>	FS 2014	Universität Zürich, Schweiz
<i>EXCITE Multimodal Imaging Summer School</i>	HS 2014	ETH Zürich, Schweiz
<i>Aspects of Sensory Motor Transformations</i>	FS 2016	Universität Zürich, Schweiz

## **Klinisch:**

Media Training Course	23. Februar 2007	British Medical Association, London, England
Intermediate Life Support Skills	5. August 2008	Chase Farm Hospital, Enfield, England
Advanced Life Support (ALS)	17. - 18. Februar 2009	Queen's Hospital, Burton-on-Trent, England
Basic Trauma Course	15. April 2009	Solihull Hospital, Birmingham, England
Acute Care Simulation Training	9. Juni 2009	University of Hertfordshire, England
Advanced Trauma Life Support (ATLS)	1. - 3. Juli 2009	Surrey County Hospital, Guildford, England
Introduction to Health Service Management	August 2009 - Juli 2010	Royal Free Hospital, London, England
Central Venous Catheterisation	24. September 2009	Royal Free Hospital, London, England
Advanced Paediatric Life Support (APLS)	22. - 23. Oktober 2009	Calderdale Royal Hospital, Halifax, England
Radiation Update (IRR)	4. Januar 2010	Royal Free Hospital, London, England
Intercollegiate MRCS Part A	12. Januar 2010	Royal College of Surgeons of England, London, England
Midas Rex Drill Workshop	26. März 2011	Medtronic, Inc., Sydney, Australien
Transcranial Doppler Ultrasound Course	19. - 20. Oktober 2011	Royal Brisbane Women's Hospital, Brisbane, Australien
Safeguarding Children Level 3	10. Oktober 2012	ACI Training, Chepstow, Wales
Neurology Masterclass	28. November 2012	British Medical Association, London, England
Intercollegiate MRCS Part B (OSCE)	26. Februar 2013	Royal College of Surgeons of England, London, England
Imperial Spine Course	6. - 8. März 2013	Royal College of Surgeons of England, London, England
Basic Life Support (Swiss)	13. März 2014	Uniklinik Balgrist, Zürich, Schweiz
MRI Safety Course	16. April 2014	Universitätsspital Zürich, Schweiz
AOSpine Principles Specimen Course (AMTS)	16.-17. Oktober 2014	Muttenz, Schweiz
Advanced User Vicon Nexus Motion Capture Software	6.-7. Oktober 2015	Prophysics, Kloten, Schweiz
Care of the Critically Ill Surgical Patient (CCrISP)	14.-16. Oktober 2015	Royal College of Surgeons of England, London, England
Strahlenschutzkurs (Durchleuchtung)	13.-14. Juni 2016	Paul Scherrer Institut, Schweiz
Neuroanatomy of Surgical Approaches	24. Juni 2016	Addenbrooke's Hospital, Cambridge, England
Cambridge Neuroanatomy Lectures	25.-26. Juni 2016	Addenbrooke's Hospital, Cambridge, England
Basic Surgical Skills	13.-14. September 2016	Royal College of Surgeons of England, London, England
Neuroanatomy of Operative Approaches (Part 1)	15.-16. September 2016	Leeds General Infirmary, Leeds, England
SYNS Craniotomy Course	28.-29. Oktober 2016	Anatomisches Institut, Bern, Schweiz

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## **EDV und medizinische Technologie**

### *Sehr gute Kenntnisse:*

MS Windows and Linux operating systems  
Neuronavigation systems (Medtronic, Brainlab)  
Shunt valves (Medtronic, Sophysa)  
Motion capture and gait analysis (Vicon)  
Image processing software (Slicer, FIJI)  
fMRI processing software (SPM)  
Statistics packages (SPSS, Stata, JMP, R)  
Adobe Creative Suite

Website Management (Drupal, Wordpress)  
Server software (Apache, Owncloud)  
Programming (jQuery, HTML, Linux)

### *Gute Kenntnisse:*

Polestar intraoperative MRI  
Transcranial Doppler ultrasound  
MATLAB  
Siemens MAGNETOM MRI control

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## **Mitgliedschaften**

<i>Alma Mata Global Health Network</i>	<i>Seit 2005</i>	<i>Royal Society of Medicine (London)</i>	<i>Seit 2009</i>
<i>Anglo-Swiss Medical Society</i>	<i>Seit 2012</i>	<i>SYNS - Swiss Young Neurosurgeons</i>	<i>Seit 2012</i>
<i>British Neuroscience Association</i>	<i>Seit 2013</i>	<i>Swiss MD-PhD Association</i>	<i>Seit 2013</i>
<i>Circumnavigators' Club</i>	<i>Seit 2015</i>	<i>Verbindung der Schweizer Ärztinnen und Ärzte (FMH)</i>	<i>Seit 2013</i>
<i>Deutsch-englische Ärztevereinigung</i>	<i>Seit 2008</i>	<i>Academic Sub-Committee of the UK Foundation Programme Office</i>	<i>2008 - 2009</i>
<i>European Association of Neurosurgical Societies (EANS)</i>	<i>Seit 2016</i>	<i>British Medical Association</i>	<i>2001 - 2010</i>
<i>Royal College of Surgeons of England</i>	<i>Seit 2013</i>		

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## **Weltumrundung ohne Flugzeug**

**Teil 1: 4. August 2010 - 12. Dezember 2010:** Reise von England nach Neuseeland über die USA, Zentralamerika und den Südpazifik.

**Teil 2: 14. Dezember 2011 - 31. August 2012:** Rückreise von Neuseeland nach England über Australien, Südostasien, China, Zentralasien und den Kaukasus, und dabei die Vollendung einer ununterbrochenen Weltumrundung westwärts.

## Interessen

Bergwandern, Sprachen, aktuelles Zeitgeschehen, Musik, Reisen, Technologie, Klavier spielen, Cricket

## Referenzen

**Mr. Agadha Wickremesekera**

Consultant Neurosurgeon  
Wellington Regional Hospital  
Wellington, Neuseeland

**Prof. h.c. Dr. Evaldas Cesnulis**

Facharzt für Neurochirurgie FMH  
Kappelstrasse 35  
8002 Zürich

**Dr. Jonathan Costello**

Consultant Emergency  
Physician  
Royal Free Hospital  
London, England

**Prof. Dr. Armin Curt**

Chefarzt und Direktor  
Zentrum für Paraplegie  
Universitätsklinik Balgrist  
8008 Zürich

**Prof. Jim Drife**

Emeritus Professor of  
Obstetrics and  
Gynaecology  
University of Leeds  
Leeds, England

**Mr. Ales Aliashkevich**

Consultant Neurosurgeon  
Royal Melbourne Hospital  
Parkville, Victoria  
Australien



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Zollikerberg, den 7. Februar 2017

Tim Killeen BSc(Hons) MBChB MRCS(Eng)