

# DR. MED. SOLEMAN JEHUDA



## PERSÖNLICHE INFORMATIONEN

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Familienstand:	verheiratet, 1 Kind
Geburtsdatum:	06.12.1978
Staatsangehörigkeit:	Schweizer

## SPRACHKENNTNISSE

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Deutsch	Muttersprache
Hebräisch	Muttersprache
Englisch	Muttersprache
Französisch	Grundlagenkenntnisse

## AUSBILDUNG

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2002 - 2008	Medizinstudium Universität Basel
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## BERUFLICHE KENNTNISSE

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Seit Nov. 2017	Konsilar Oberarzt pädiatrische Neurochirurgie, Universitätskinderspital «Dana» Tel Aviv, Israel (Prof. Shlomi Constantini)
Seit Sep. 2017	Oberarzt Neurochirurgie und pädiatrische Neurochirurgie, Universitätsspital und Kinderspital (UKBB) Basel (Prof. Luigi Mariani & Prof. Raphael Guzman)
Juli. 2016 – Juni 2017	Clinical research fellow, Pädiatrische Neurochirurgie, Dana Children's Hospital, University of Tel-Aviv, Tel-Aviv, Israel (Prof. Shlomi Constantini)
Nov. 2015 – Juni 2016	Oberarzt Neurochirurgische Klinik, Universitätsspital Basel (Prof. Luigi Mariani)
März 2015 – Okt. 2015	Stv. Oberarzt Neurochirurgische Klinik, Universitätsspital Basel
Jan. 2013 – Feb. 2015	Assistenzarzt Neurochirurgische Klinik, Universitätsspital Basel
April 2010 – Dez. 2013	Assistenzarzt Neurochirurgische Klinik, Kantonsspital Aarau
Jan. 2009 - Feb. 2010	Assistenzarzt, Chirurgische Klinik, Kantonsspital Bruderholz

## WEITERBILDUNG

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2016	Pediatric Advanced Cardiac Life Support (PALS), Universitätsspital Souraski, Tel Aviv, Israel
2016	Advanced Cardiac Life Support (ACLS), Universitätsspital Souraski, Tel Aviv, Israel
2015	Mündliche Facharztprüfung der Schweizerischen Gesellschaft für Neurochirurgie mit dem Erlangen des Neurochirurgischen Facharztstitels (FMH)
2014	Schriftliches neurochirurgisches Multiple-Choice Examen der EANS
2013	Strahlenschutzkurs für Ärzte, Durchleuchtung Typ B, mit Examen (PSI)
2013	Good Clinical Practice Training Module 1 (CTC Zürich)
2012-2014	EANS Kurse Neurochirurgie
2011	Surgeon Training Program of Kyphon® Ballon Kyphoplasty
2011	Basisexamen Chirurgie Mikrochirurgie Kurs, Universitätsspital Zürich Fundamental Cranial Course Brainlab, Feldkirchen Deutschland
2009	ATLS Student Course, Universitätsspital Zürich

## WISSENSCHAFTLICHE TÄTIGKEIT

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Seit 2016	PI einer randomisierten placebo kontrollierten doppel- blinden Studie (Universitätsspital Basel) Surgical Evacuation of cSDH and Aspirin (SECA-Trial) (expected start 1.1.2018)
2013-2017	PI einer multizentrischen randomisierten Studie (Kantonsspital Aarau und Universitätsspital Basel): Use of Subperiosteal Drain versus Subdural Drain in Chronic Subdural Hematomas treated with Burr-Hole Trepation: a Randomized Controlled Trial. (still recruiting)
2012-2014	Mitarbeit im Neurochirurgischen Tierlabor, Inselspital Bern (unter der Anleitung von Prof. J. Fandino)
2005-2008	Dissertationsarbeit bei Prof. Schmeck, Kinder und Jugendpsychiatrische Klinik (PJUK), Basel (Promotion Jan. 2008)

## PUBLIKATIONEN

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### PÄDIATRISCHE NEUROCHIRURGIE:

1. **Soleman, J.**, Roth, J., Ram, Z., Yalon, M., Constantini, S. Malignant transformation of a conservatively managed incidental childhood cerebral mass lesion: controversy regarding management paradigm. Aug 14. 2017. Childs Nerv Syst.
2. **Soleman, J.**, Roth, J., Bartoli, A., Rosenthal, D., Korn, A., Constantini, S. Syringo-Subarachnoid Shunt for the Treatment of Persistent Syringomyelia

Following Decompression for Chiari Type I Malformation: Surgical Results. Aug 12. 2017. World Neurosurg. pii: S1878-8750(17)31299-8.

3. **Soleman, J.**, Benvenisti, H., Constantini, S., Roth, J. Conversion of external ventricular drainage to ventriculo-peritoneal shunt: to change or not to change the proximal catheter? Jul 24. 2017. Childs Nerv Syst.
4. **Soleman, J.**, Schneider, CA., Pfeifle, VA., Zimmermann, P., Guzman, R. Laparoscopic-Assisted Ventriculoperitoneal Shunt Placement in Children Younger Than the Age of 1 Year. World Neurosurg. 2016 Dec 27. 99:656-661. doi: 10.1016/j.wneu.2016.12.075. Epub
5. **Soleman, J.**, Thieringer F., Beinemann J., Kunz C., Guzman R. Computer-assisted Virtual Planning and Surgical Template Fabrication for Frontoorbital Advancement. Neurosurg Focus. 2015 May;38(5):E5. doi: 10.3171/2015.3.FOCUS14852.
6. Bartoli A, **Soleman J**, Schaller K, Guzman R. Surgical Aspects in the Treatment of Pediatric Epilepsy. 2017 Epileptologie
7. Stricker, S., Datta, A.N., **Soleman, J.**, Guzman, R. Children with Tumor related Epilepsy: A Surgical Dilemma. 2017 Epileptologie
8. **Soleman, J.**, Knorr, C., Datta, A.N., Strotzi, S., Ramelli, G-P., Mariani, L., Guzman, R. Vagal Nerve Stimulator Implantation in Children under the Age of 5 Years. Under Review

#### ALLGEMEINE NEUROCHIRURGIE:

1. Licci, M., Kamenova, M., Guzman, R., Mariani, L., **Soleman, J.** Influence of Postoperative Thrombosis Prophylaxis on the Recurrence of Chronic Subdural Hematoma after Burr-hole Drainage. 2017 Oct 26. Critical Care Medicine.
2. **Soleman, J.**, Kamenova, M., Guzman, R., Mariani, L. The Management of Chronic Subdural Hematoma Patients Treated with Low-dose Acetylsalicylic Acid: An International Survey of Practice. World Neurosurg. 2017 Aug 21. pii: S1878-8750(17)31366-9.
3. Croci, DM., Kamenova, M., Guzman, R., Mariani, L., **Soleman, J.** Novel Oral Anticoagulants in Patients Undergoing Cranial Surgery. 2017 Sep World Neurosurg.;105:841-848.
4. **Soleman J**, Kamenova M, Lutz K, Guzman R, Fandino J, Mariani L. Drain Insertion in Chronic Subdural Hematoma: An International Survey of Practice. 2017 Aug World Neurosurg.;104:528-536.
5. Kamenova, M., Nevzati, E., Lutz, K., Dolp, A., Fandino, J., Mariani, L., **Soleman, J.** Burr-Hole Drainage for Chronic Subdural Hematoma under Low-Dose Acetylsalicylic Acid: a Comparative Risk Analysis Study. World

Neurosurg. 2017 Jan 27. pii: S1878-8750(17)30088-8. doi: 10.1016/j.wneu.2017.01.065. [Epub ahead of print]

6. **Soleman, J.**, Nocera, F., Mariani, L. The conservative and pharmacological management of chronic subdural haematoma. *Swiss Med Wkly.* 2017 Jan 19;147:w14398. doi: 10.4414/smw.2017.14398. eCollection 2017 Jan 19.
7. Nevzati, E., Berberat, J., **Soleman, J.**, Coluccia, D., Muroi, C., Schöpf, S., Lukes, A., Fischer, I., Remonda, L., Fandino, J., Marbacher, S. Magnetic Resonance Imaging Signal Characteristics of Medishield: Early Postoperative Profile in a Rabbit Interlaminotomy Model. *World Neurosurg.* Feb;98:704-710.e3. doi: 10.1016/j.wneu.2016.12.002. Epub 2016 Dec 10.
8. Kamenova, M., Lutz, K., Schaedelin, S., Fandino, J., Mariani, L., **Soleman, J.** Does Early Resumption of Low Dose Aspirin after Evacuation of Chronic Subdural Hematoma with Burr-Hole Trepanation Lead to Higher Recurrence Rates? *Neurosurgery.* 2016 Nov;79(5):715-721
9. Kamenova, M., Croci, D., Guzman, R., Mariani, L., **Soleman, J.** Low Dose Acetylsalicylic Acid and the Bleeding Risk with Ventriculoperitoneal Shunt Placement? *Neurosurg Focus.* 2016 Sep;41(3):E4. doi: 10.3171/2016.6.FOCUS16173
10. Leu, S., Kamenova, M., Mehrkens, A., Mariani, L., Schaeren, S., **Soleman, J.** Pre- and postoperative factors and laboratory values predicting outcome in patients undergoing lumbar fusion surgery. *World Neurosurg.* 2016 Aug;92:323-38. doi: 10.1016/j.wneu.2016.05.011. Epub 2016 May 13
11. **Soleman, J.**, Lutz, K., Schaedelin, S., Mariani, L., Fandino, J. Use of Subperiosteal Drain versus Subdural Drain in Chronic Subdural Hematomas treated with Burr-Hole Trepanation: study protocol for a randomized controlled trial. *JMIR Res Protoc.* 2016 Apr 8;5(2):e38. doi: 10.2196/resprot.5339
12. **Soleman, J.**, Leiggenger, C., Schlaeppli, A. J., Kienzler, J., Fathi, A-R., Fandino, J. The Subfrontal- and Fronto-Orbito-Zygomatic Approach in Skull-Base Meningioma Surgery: Clinical, Radiological and Cosmetic Outcome. *J Craniofac Surg. J Craniofac Surg.* 2016 Mar;27(2):433-40. doi: 10.1097/SCS.0000000000002368
13. Kienzler, J., Marbacher, S., Remonda, L., **Soleman, J.**, Schlaeppli, A. J., Leupold, U., Fandino, J. Outcome after In-Hospital Rebleeding of Rupture of Intracranial Aneurysms. *J Neurol Surg A Cent Eur Neurosurg.* 2016 May;77(3):207-21. doi: 10.1055/s-0035-1570007. Epub 2016 Jan 25
14. Kamenova, M., Leu, S., Schaeren, S., Mariani, L., **Soleman, J.** Management of Incidental Dural Tear During Lumbar Spine Surgery. To Suture or Not To Suture? *World Neurosurg.* 2016 Mar;87:455-62. doi: 10.1016/j.wneu.2015.11.045. Epub 2015 Dec 14
15. **Soleman, J.**, Schär, K., Schatlo, B., Remonda, L., Fandino, J., Fathi, A-R. Transforaminal Lumbar Interbody Fusion Using LOOP® PEEK Cage

Implants: Safety, Feasibility, Radiographic and Clinical Outcome. *J Spine* 4: 261. doi:10.4172/2165-7939.1000261.

16. Nevzati, E., **Soleman, J.**, Schöpf, SA., Coluccia, D., Fandino, J., Marbacher, S. (2015). An Interlaminotomy New Zealand White Rabbit Model to Evaluate Novel Epidural Strategies. *J Neurol Surg A Cent Eur Neurosurg*. 2015 Nov;76(6):466-72. doi: 10.1055/s-0035-1558416. Epub 2015 Sep 9
17. **Soleman, J.**, Baumgartner, P., Perrig, W., Fandino, J., Fathi, A-R. Non-instrumented Extradural Lumbar Spine Surgery Under Low-dose Acetylsalicylic Acid: A Comparative Risk Analysis Study. *Eur Spine J*. 2016 Mar;25(3):732-9. doi: 10.1007/s00586-015-3864-7. Epub 2015 Mar 11
18. **Soleman, J.**, Schatlo, B., Hiroki, D. U., Remonda, L., Fandino, J. and Fathi, A-R. Craniotomy without Flap Replacement for Ruptured Intracranial Aneurysms to Reduce Ischemic Brain Injury: A Preliminary Safety and Feasibility Analysis. J. Fandino et al. (eds.), *Neurovascular Events After Subarachnoid Hemorrhage, Acta Neurochirurgica Supplement*, Vol. 120, DOI 10.1007/978-3-319-04981-6\_37
19. Nevzati, E., Marbacher, S., **Soleman, J.**, Perrig, W.N., Diepers, M., Khamis, A. and Fandino, J. Accuracy of Pedicle Screw Placement in the Thoracic and Lumbosacral Spine Using a Conventional Intraoperative Fluoroscopy-Guided Technique: A National Neurosurgical Education and Training Centre Analysis of 1236 Consecutive Screws. *World Neurosurg*. 2014 Nov;82(5):866-71.e1-2. doi: 10.1016/j.wneu.2014.06.023. Epub 2014 Jun 17
20. **Soleman, J.**, Fathi, A.R., Marbacher, S. and Fandino, J. The role of intraoperative magnetic resonance imaging in complex meningioma surgery. *Magn Reson Imaging*. 2013 Jul;31(6):923-9. doi: 10.1016/j.mri.2012.12.005. Epub 2013 Feb 28
21. **Soleman, J.**, Marbacher, S., Fandino, J. and Fathi, A.R. Is the use of antibiotic-impregnated external ventricular drainage beneficial in the management of iatrogenic ventriculitis? *Acta Neurochir (Wien)*. 2012 Jan;154(1):161-4; discussion 164. doi: 10.1007/s00701-011-1156-5. Epub 2011 Sep 18

## BOOK CHAPTERS

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1. **Jehuda Soleman**, Philipp Taussky, Javier Fandino and Carl Muroi (2014). Evidence-Based Treatment of Chronic Subdural Hematoma. *Traumatic Brain Injury*, Dr. Farid Sadaka (Ed.), ISBN: 978-953-51-1222-8, InTech, DOI: 10.5772/57336.

## MASTER-THESIS (MENTORING)

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1. Knorr, C., Guzman, R., **Soleman, J.** (2015-2017) Vagal Nerve Stimulator Implantation in Children under the Age of 5 Years.

2. Nocerra F., Mariani, L., **Soleman, J.** (2015-2017) Surgical and Conservative Management of Chronic Subdural Hematoma. A Systematic Review
3. Lipps, P., Kameova, M., Guzman, R., Soleman, J. (2017) When the Drain Hits the Brain.

#### DISSERTATION (MENTORING)

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1. Knorr, C., Guzman, R., **Soleman, J.** (2017) The Treatment of Pediatric Incidentalomas and Incidence for Malignant Transformation: A National Registry Based Cohort Study.
2. Ullmann, M., Guzman, R., **Soleman, J.** (2017) Aspirin in Patients Undergoing Cranial Tumor Surgery.

#### POSTERS AND PRESENTATIONS

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##### ORAL PRESENTATIONS:

1. **Soleman, J.**, Lutz, K., Schaedelin, S., Mariani, L., Fandino, J. Use of Subperiosteal Drain versus Subdural Drain in Chronic Subdural Hematomas treated with Burr-Hole Trepanation: a randomized controlled trial. Preliminary results. Oral Presentation, Joint Annual Meeting 2016: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Basel, Switzerland
2. Licci, M., Kamenova, M., Guzman, R., Mariani, L., **Soleman, J.** Influence of Postoperative Thrombosis Prophylaxis on the Recurrence of Chronic Subdural Hematoma after Burr-hole Drainage. Oral Presentation, Joint Annual Meeting 2016: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Basel, Switzerland
3. Kamenova, M., Nevzati, E., Lutz, K., Dolp, A., Fandino, J., Mariani, L., **Soleman, J.** Burr-Hole Drainage for Chronic Subdural Hematoma under Low-Dose Acetylsalicylic Acid: a Comparative Risk Analysis Study. Oral Presentation, Joint Annual Meeting 2016: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Basel, Switzerland
4. **Soleman, J.**, Benitez, B., Beinemann, J., Schneider, C., Kunz, C., Guzman, R. Computer-assisted Virtual Planning and Surgical Template Fabrication for Frontoorbital Advancement: Pilot Evaluation of Outcome. (2016). Oral Presentation, 25<sup>th</sup> Congress of the European Society for Pediatric Neurosurgery (ESPN), Paris, France.
5. **Soleman, J.**, Knorr, C., Schneider, C., Datta, A., Strozzi, S., Ramelli, G. P., Guzman, R. (2016). Early Implantation of Vagal Nerve Stimulation in Children. (2016). Poster Flash, 25<sup>th</sup> Congress of the European Society for Pediatric Neurosurgery (ESPN), Paris, France.

6. Kamenova, M., Lutz, K., Schaedelin, S., Fandino, J., Mariani, L., **Soleman, J.** (2015). Does Early Resumption of Low Dose Aspirin after Evacuation of Chronic Subdural Hematoma with Burr-Hole Trepanation Lead to Higher Recurrence Rates? Oral Presentation, Joint Annual Meeting 2015: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Lucerne, Switzerland.
7. **Soleman, J.**, Baumgartner, P., Perrig, W., Fandino, J., Fathi, A-R. (2014). Non-instrumented Extradural Lumbar Spine Surgery Under Low-dose Acetylsalicylic Acid: A Comparative Risk Analysis Study. *J Neurol Surg A Cent Eur Neurosurg* 2014; 75 - p29; Oral Presentation, Joint Annual Meeting 2014: Swiss Society of Neurosurgery, Swiss Society of Clinical Neurophysiology, Swiss Society of Neuropediatrics, Zurich, Switzerland.

POSTERS:

1. **Soleman, J.**, Schneider, CA., Pfeifle, VA., Zimmermann, P., Guzman, R. Laparoscopic-Assisted Ventriculoperitoneal Shunt Placement in Children Younger Than the Age of 1 Year. Poster-Presentation, Joint Annual Meeting 2016: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Lucerne, Switzerland.
2. **Soleman, J.**, Thieringer F., Beinemann J., Kunz C., Guzman R. (2015). Computer-assisted Virtual Planning and Surgical Template Fabrication for Fronto-orbital Advancement. Poster-Presentation, Joint Annual Meeting 2015: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Lucerne, Switzerland.
3. Leu, S., Kamenova, M., Mehrkens, A., Mariani, L., Schaeren, S., **Soleman, J.** (2015). Association of pre- and postoperative laboratory values with the outcome of patients undergoing lumbar fusion surgery. Poster-Presentation, Joint Annual Meeting 2015: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Lucerne, Switzerland.
4. Kamenova, M., Leu, S., Schaeren, S., Mariani, L., **Soleman, J.** (2015). Management of Incidental Dural Tear During Lumbar Spine Surgery. To Suture or Not To Suture? Poster-Presentation, Joint Annual Meeting 2015: Swiss Society of Neurosurgery, Swiss Society of Neuroradiology, Lucerne, Switzerland.
5. **Soleman, J.**, Datta, A., Strozzi, S., Ramelli, G. P., Mariani, L., Guzman, R. (2014). Implantation of Vagal Nerve Stimulation in Children. *J Neurol Surg A Cent Eur Neurosurg* 2014; 75 - p42; Poster-Presentation, Joint Annual Meeting 2014: Swiss Society of Neurosurgery, Swiss Society of Clinical Neurophysiology, Swiss Society of Neuropediatrics, Zurich, Switzerland.
6. **Soleman, J.**, Leiggenger, C., Schlaeppli, A. J., Kienzler, J., Fathi, A-R., Fandino, J. (2014). The Subfrontal- and Fronto-Orbito-Zygomatic Approach in Skull-Base Meningioma Surgery: Clinical, Radiological and Cosmetic Outcome. *J Neurol Surg A Cent Eur Neurosurg* 2014; 75 - p71; Poster-Presentation, Joint Annual Meeting 2014: Swiss Society of Neurosurgery, Swiss Society of Clinical Neurophysiology, Swiss Society of Neuropediatrics,

Zurich, Switzerland.

7. **Soleman, J.**, Lutz, K., Schatlo, B., Fathi, A-R., Fandino, J. (2014). Use of Subperiosteal Drain versus Subdural Drain in Chronic Subdural Hematomas Treated with Burr-Hole Trepanation: A Randomized Controlled Trial. *Neurol Surg A Cent Eur Neurosurg* 2014; 75 - p72; Poster-Presentation, Joint Annual Meeting 2014: Swiss Society of Neurosurgery, Swiss Society of Clinical Neurophysiology, Swiss Society of Neuropediatrics, Zurich, Switzerland.
8. Nevzati, E., Berberat, J., **Soleman, J.**, Colucia, D., Muroi, C., Erhardt, S., Lukes, A., Fischer, I., Remonda, L., Fandino, J., Marbacher, S. (2014). MRI-Signaling Characteristics of Medishield in the Early Postoperative Phase: Evaluation in a Rabbit Interlaminotomy Model. *J Neurol Surg A Cent Eur Neurosurg* 2014; 75 - p65; Poster-Presentation, Joint Annual Meeting 2014: Swiss Society of Neurosurgery, Swiss Society of Clinical Neurophysiology, Swiss Society of Neuropediatrics, Zurich, Switzerland.
9. Hiroki, D. U., Schatlo, B., Marbacher, S., Kerkeni, H., **Soleman, J.**, Coluccia, D., Diepers, M., Remonda, L., Fathi, A-R., Fandino, J. (2014). Does Intraoperative Angiographic Vasospasm during Aneurysm Clipping influence the Incidence of Delayed Cerebral Vasospasm and Delayed Neurological Deficit? *J Neurol Surg A Cent Eur Neurosurg* 2014; 75 - p21; Poster-Presentation, Joint Annual Meeting 2014: Swiss Society of Neurosurgery, Swiss Society of Clinical Neurophysiology, Swiss Society of Neuropediatrics, Zurich, Switzerland.
10. **Soleman, J.**, Schatlo, B., Hiroki, D. U., Remonda, L., Fandino, J., Fathi, A-R. (2013). Craniotomy without Flap Replacement for Ruptured Intracranial Aneurysms to Reduce Ischemic Brain Injury: A Preliminary Safety and Feasibility Analysis; Poster-Presentation, Vasospasm 2013 12th International Conference on Neurovascular Events after SAH, Lucerne, Switzerland.
11. **Soleman, J.**, Fathi, A-R., Marbacher, S., Fandino, J. Does Intraoperative Magnetic Resonance Imaging Extend Resection Rate in Meningioma Surgery?; e-Poster, AANS 2012, Miami, Florida, USA.

## GRANTS

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1. Gottfried und Julia Bangerter-Rhyner Stiftung (12.2016)  
Role: Principal Investigator (40'000 CHF)  
Titel: Surgical Evacuation of cSDH and Aspirin: a randomized placebo controlled double blind study (SECA- --Trial)
2. Clinical research fellowship grant, Forschungsfond Chirurgie und Neurochirurgie, Universitätsspital Basel (05.2016)  
Role: Principal Investigator (30'000 CHF)  
Titel: Implantation of Vagus Nerve Stimulator in children under the age of 5 years.



3. Clinical research fellowship grant, Bohumir Lukas Stiftung, Basel (03.2016)  
Role: Principal Investigator (24'000 CHF)  
Titel: Implantation of Vagus Nerve Stimulator in children under the age of 5 years.
4. Forschungsfond des Kantonspital Aarau, 2013-2017  
Role: Principal Investigator (170'000 CHF).  
Titel: Subperiosteal Drain versus Subdural Drain in Chronic Subdural Hematomas treated with Burr-Hole Trepanation: a randomized controlled trial

#### AWARDS

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1. 3<sup>rd</sup> Poster Award (Meeting Swiss Society of Neurosurgery 2017)

#### MITGLIEDSCHAFTEN

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1. Swiss Medical Association (FMH)
2. Schweizerische Gesellschaft für Neurochirurgie (SGNC)

Basel, 07.11.2017