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## Ansættelse

### Klinisk professor

KI, Neurokirurgi  
Syddansk Universitet  
1. apr. 2012 → 30. nov. 2021

### Lektor

KI, BRIDGE, Brain Research - Inter-Disciplinary Guided Excellence  
Syddansk Universitet  
1. sep. 2016 → 30. sep. 2021

## CV

### EDUCATION

01-06-1999 MD, SDU  
01-04-2003 PhD, SDU  
01-09-2010 Specialist in Neurosurgery  
01-11-2016 Professor in Neurosurgery

### POSITIONS – RECENT

2018 Neurosurgical editor on “Læge- og Patient håndbogen”  
2017 Head of BRIDGE (Brain Research – Inter-Disciplinary-Guided-Excellence) at OUH/SDU  
2016 Consultant and professor in Neurosurgery, Department of Neurosurgery, OUH  
2011 Consultant, ass. prof., head of research, Department of Neurosurgery, OUH

### SCIENTIFIC ACTIVITIES

**SUPERVISION OF STUDENTS:** Supervisor of 1 PhD student, co-advisor on 4 PhD students, supervisor of 5 pregraduate student and numerous candidate speciality students

**SCIENTIFIC FOCUS AREAS:** Treatment of primary brain tumors, skull base tumors and pituitary tumors. Molecular mechanisms in malignant gliomas. Chronic subdural hematomas. Cerebral metabolism

**NATIONAL AND INTERNATIONAL RELATIONS/COLLABORATORS:** Departments of Neuropathology, Infectious Medicine, Nuclear Medicine, Radiology and Neurology, OUH. The neurosurgical departments in Ålborg, Århus and Copenhagen. Initiator of West-Danish Neurosurgical Research Collaboration. Neurosurgical departments of Tromsø, Trondheim, Göteborg and Regensburg

**MANAGEMENT EXPERIENCE:** Head of research at Department of Neurosurgery since June 2011. Board member and chairman of scholar stipend committee Danish Society for Neurosurgery. Research Management Course 2015. Head of BRIDGE

**REFeree WORK AND EVALUATION COMMITTEES:** Referee for several international journals including Lancet and NEJM

**ACADEMIC AWARDS AND HONOURS:** Price winner at Neurosurgical test, Beitostølen, Norway

## Publikationer

### Drain type and technique for subdural insertion after burr hole evacuation of chronic subdural hematoma

Jensen, T. S. R., Poulsen, F. R., Bergholt, B., Hundsholt, T. & Fugleholm, K., 1. sep. 2020, I : Acta Neurochirurgica. 162, 9, s. 2015-2017

### Response to letter regarding: embolization of the middle meningeal artery in patients with chronic subdural hematoma – a review and meta-analysis

Haldrup, M., Ketharanathan, B., Debrabant, B., Schwartz, O. S., Mikkelsen, R., Fugleholm, K., Poulsen, F. R., Jensen, T. S. R., Thaarup, L. V. & Bergholt, B., sep. 2020, I : Acta Neurochirurgica. 162, 9, s. 2031

**The Danish Chronic Subdural Hematoma Study—comparison of hematoma age to the radiological appearance at time of diagnosis**

Jensen, T. S. R., Andersen-Ranberg, N., Poulsen, F. R., Bergholt, B., Hundsholt, T. & Fugleholm, K., sep. 2020, I : Acta Neurochirurgica. 162, 9, s. 2007-2013

**A new novel method for assessing intracranial pressure using non-invasive fundus images: a pilot study**

Andersen, M. S., Pedersen, C. B. & Poulsen, F. R., 3. aug. 2020, I : Scientific Reports. 10, 7 s., 13062.

**A Prospective Observational Feasibility Study of Jugular Bulb Microdialysis in Subarachnoid Hemorrhage**

Forsse, A., Nielsen, T. H., Mølstrøm, S., Hjelmberg, J. V. B., Stokbro, K., Nygaard, K. H., Yilmaz, S., Nordström, C-H. & Rom Poulsen, F., aug. 2020, I : Neurocritical Care. 33, 1, s. 241-255

**Primært centralnervesystemlymfom**

Sommer-Sørensen, R., Juul-Jensen, K., Larsen, T. S., Møller, M. B., Halle, B., Schulz, M. K., Pedersen, C. B. & Rom Poulsen, F., 27. jul. 2020, I : Ugeskrift for Læger. V01200065.

**Termoablation af hjernetumorer**

Jankovic, I., Bartek, J., Jensdottir, M., Rom Poulsen, F., Pedersen, C. B., Kristensen, B. W., Schytte, T., Andersen, T. L., Langhorn, L., Graumann, O., Krone, W. & Halle, B., 6. jul. 2020, I : Ugeskrift for Læger. V12190734.

**Termoablation af hjernetumorer: Thermal ablation of brain tumours**

Jankovic, I., Bartek, J., Jensdottir, M., Poulsen, F. R., Pedersen, C. B., Kristensen, B. W., Schytte, T., Andersen, T. L., Langhorn, L., Graumann, O., Krone, W. & Halle, B., 6. jul. 2020, I : Ugeskrift for Læger. 182, 28, V12190734.

**Targeted next-generation sequencing of adult gliomas for retrospective prognostic evaluation and up-front diagnostics**

Petersen, J. K., Boldt, H. B., Sørensen, M. D., Blach, S., Dahlot, R. H., Hansen, S., Burton, M., Thomassen, M., Kruse, T., Poulsen, F. R., Andreasen, L., Hager, H., Ulhøi, B. P., Lukacova, S., Reifenberger, G. & Kristensen, B. W., jul. 2020, I : Neuropathology and Applied Neurobiology.

**Expression and prognostic value of the transcription factors EGR1 and EGR3 in gliomas**

Knudsen, A. M., Eilertsen, I., Kielland, S., Pedersen, M. W., Sørensen, M. D., Dahlot, R. H., Boldt, H. B., Munthe, S., Poulsen, F. R. & Kristensen, B. W., 9. jun. 2020, I : Scientific Reports. 10, 13 s., 9285.

**The risk of developing seizures before and after surgery for brain metastases**

Puri, P. R., Johannsson, B., Seyedi, J. F., Halle, B., Schulz, M., Pedersen, C. B., Kristensen, B. W. & Poulsen, F. R., jun. 2020, I : Clinical Neurology and Neurosurgery. 193, 105779.

**A capillary hemangioma of lobular subtype (pyogenic granuloma) in the calvarium of a pregnant woman**

Skúladóttir, B., Korshøj, A. R., Wirenfeldt, M. & Poulsen, F. R., 2. apr. 2020, I : Acta Neurochirurgica.

**Embolization of the middle meningeal artery in patients with chronic subdural hematoma—a systematic review and meta-analysis**

Haldrup, M., Ketharanathan, B., Debrabant, B., Schwartz, O. S., Mikkelsen, R., Fugleholm, K., Poulsen, F. R., Jensen, T. S. R., Thaarup, L. V. & Bergholt, B., apr. 2020, I : Acta Neurochirurgica. 162, 4, s. 777–784

**Sodium fluorescein shows high surgeon-reported usability in glioblastoma surgery**

Bömers, J. P., Danielsen, M. E., Schulz, M. K., Halle, B., Kristensen, B. W., Sørensen, M. D., Poulsen, F. R. & Pedersen, C. B., 8. feb. 2020, I : Surgeon.

**Antidepressant drug use and subdural hematoma risk**

Gaist, D., García Rodríguez, L. A., Hald, S. M., Hellfritsch, M., Poulsen, F. R., Halle, B., Hallas, J. & Pottegård, A., feb. 2020, I : Journal of Thrombosis and Haemostasis. 18, 2, s. 318-327

**Desmoplastic myxoid tumor, SMARCB1-mutant: clinical, histopathological and molecular characterization of a pineal region tumor encountered in adolescents and adults**

Thomas, C., Wefers, A., Bens, S., Nemes, K., Agaimy, A., Oyen, F., Vogelgesang, S., Rodriguez, F. J., Brett, F. M., McLendon, R., Bodi, I., Burel-Vandenbos, F., Keyvani, K., Tippelt, S., Poulsen, F. R., Lipp, E. S., Giannini, C., Reifenberger, G., Kuchelmeister, K., Pietsch, T. & 9 flere, Kordes, U., Siebert, R., Frühwald, M. C., Johann, P. D., Sill, M., Kool, M., von Deimling, A., Paulus, W. & Hasselblatt, M., feb. 2020, I : Acta Neuropathologica. 139, 2, s. 277-286

**Fællesbeslutningstagning ved recidiv af højgradsgliom. Poster præsentation**

Sørensen Von Essen, H., Piil, K., Dahl Steffensen, K. & Rom Poulsen, F., 21. jan. 2020.

**Behandling af essentiel tremor med magnetisk resonans-vejledt fokuseret ultralyd**

Blaabjerg, M., Pedersen, C. B., Andersen, M. C. S., Grønhøj, M. H., Krone, W., Bode, M. & Rom Poulsen, F., 2020, I : Ugeskrift for Læger. 182, 17, V09190533.

**Ethyl pyruvate increases post-ischemic levels of mitochondrial energy metabolites: A <sup>13</sup>C-labeled cerebral microdialysis study**

Nygaard, K. H., Havelund, J. F., Nielsen, T. H., Nordstrøm, C. H., Færgeman, N. J., Poulsen, F. R., Gramsbergen, J. B. & Forsse, A., 2020, I : Metabolites. 10, 7, 12 s., 287.

**The serine protease HTRA1 increases in the brain and CSF in Multiple Sclerosis**

Hjæresen, S., Sejbæk, T., Axelsson, M., Phil-Jensen, G., Jensen, H. V., Kløvedal Mortensen, S., Pedersen, C. B., Halle, B., Rom Poulsen, F., Zhang, M., Battistini, J. L., Lycke, J., Illés, Z. & Fex Svenningsen, Å., 2020.

**Integrated glioma diagnostics using targeting next-generation sequencing**

Petersen, J. K., Boldt, H. B., Sorensen, M., Dahlrot, R. H., Hansen, S., Burton, M., Thomassen, M., Kruse, T., Poulsen, F. R., Andreasen, L., Hager, H., Ulhoi, B. P., Lukacova, S., Reifenberger, G. & Kristensen, B., nov. 2019, I : Neuro-Oncology. 21, Suppl. 6, s. vi104 1 s., GENE-33.

**Ultra-long-term subcutaneous home monitoring of epilepsy—490 days of EEG from nine patients**

Weisdorf, S., Duun-Henriksen, J., Kjeldsen, M. J., Poulsen, F. R., Gangstad, S. W. & Kjær, T. W., nov. 2019, I : Epilepsia. 60, 11, s. 2204-2214

**Comparison of 5-aminolevulinic acid and sodium fluorescein for intraoperative tumor visualization in patients with high-grade gliomas: a single-center retrospective study**

Hansen, R. W., Pedersen, C. B., Halle, B., Korshøj, A. R., Schulz, M. K., Kristensen, B. W. & Poulsen, F. R., 4. okt. 2019, I : Journal of Neurosurgery.

**Fælles beslutningstagning for patienter med recidiv af højgradsgliom – hvordan gør vi og er det overhovedet relevant?**

Sørensen Von Essen, H., Piil, K., Dahl Steffensen, K. & Rom Poulsen, F., 29. aug. 2019.

**In reply to the Letter to the Editor Regarding “Fluorescein Sodium in the Surgical Treatment of Recurrent Glioblastoma Multiforme”**

Höhne, J., Schebesch, K. M., de Laurentis, C., Akçakaya, M. O., Pedersen, C. B., Brawanski, A., Poulsen, F. R., Kiris, T., Cavallo, C., Broggi, M., Feroli, P. & Acerbi, F., 1. aug. 2019, I : World Neurosurgery. 128, s. 617 1 s.

**Nested case-control study of antidepressant drug use and subdural hematoma risk**

Gaist, D., Garcia Rodriguez, L. A., Hald, S. M., Hellfritsch, M., Poulsen, F. R., Halle, B., Hallas, J. & Pottegard, A., 1. aug. 2019, I : Pharmacoepidemiology and Drug Safety. 28, 2, SI, s. 218-219

**Behandling af kronisk subduralt hæmatom**

Jensen, T. S. R., Andersen-Ranberg, N. C., Rom Poulsen, F., Bergholt, B., Hundsholt, T. & Fugleholm, K., jul. 2019, I : Ugeskrift for Læger. 181, 14, V03180160.

**Frameless stereotactic neuronavigated biopsy: A retrospective study of morbidity, diagnostic yield, and the potential of fluorescence: A single-center clinical investigation**

Æbelø, A. M., Noer, V. R., Schulz, M. K., Kristensen, B. W., Pedersen, C. B. & Poulsen, F. R., 1. jun. 2019, I : *Clinical Neurology and Neurosurgery*. 181, s. 28-32

**Do family health conversations impact patients with glioblastoma multiforme and their family members?**

Faarup, I., Lauridsen, J. T., Lütgen, K., Nørregaard, A., Poulsen, F. R. & Østergaard, B., 1. maj 2019, I : *Journal of Clinical Nursing*. 28, 9-10, s. 1695-1707

**Fluorescein sodium in the surgical treatment of recurrent glioblastoma multiforme**

Höhne, J., Schebesch, K.-M., de Laurentis, C., Akçakaya, M. O., Pedersen, C. B., Brawanski, A., Poulsen, F. R., Kiris, T., Cavallo, C., Broggi, M., Ferroli, P. & Acerbi, F., maj 2019, I : *World Neurosurgery*. 125, s. e158-e164

**The Danish chronic subdural hematoma study—predicting recurrence of chronic subdural hematoma**

Andersen-Ranberg, N. C., Debrabant, B., Poulsen, F. R., Bergholt, B., Hundsholt, T. & Fugleholm, K., maj 2019, I : *Acta Neurochirurgica*. 161, 5, s. 885-894

**The diagnostic value of continuous EEG for the detection of non-convulsive status epilepticus in neurosurgical patients – A prospective cohort study**

Krøigård, T., Forse, A., Bülow, K., Broesby, J., Poulsen, F. R., Kjaer, T. W. & Høgenhaven, H., apr. 2019, I : *Clinical Neurophysiology Practice*. 4, s. 81-84

**Early postoperative MRI after resection of brain metastases—complete tumour resection associated with prolonged survival**

Olesrud, I. C., Schulz, M. K., Marcovic, L., Kristensen, B. W., Pedersen, C. B., Kristiansen, C. & Poulsen, F. R., 13. mar. 2019, I : *Acta Neurochirurgica*. 161, 3, s. 555–565

**Patterns of cerebral tissue oxygen tension and cytoplasmic redox state in bacterial meningitis**

Larsen, L., Nielsen, T. H., Nordström, C.-H., Andersen, Å. B., Schierbeck, J., Schulz, M. K. & Rom Poulsen, F., 1. mar. 2019, I : *Acta Anaesthesiologica Scandinavica*. 63, 3, s. 329-336

**Optimization of tumor treating fields using singular value decomposition and minimization of field anisotropy**

Korshøj, A. R., Sørensen, J. C. H., von Oettingen, G., Poulsen, F. R. & Thielscher, A., 8. feb. 2019, I : *Physics in Medicine and Biology*. 64, 4, 9 s., 04NT03.

**Differential diagnostic impact of DNA methylation profiling on brain tumor classification**

Petersen, J. K., Boldt, H. B., Scheie, D., Ulhøj, B. P., Gardberg, M., Dalhrot, R. H., Poulsen, F. R., Capper, D., von Deimling, A. & Kristensen, B. W., 1. feb. 2019, I : *Brain Pathology*. 29, Suppl. 1, s. 43 1 s.

**Intrakraniale meningeomer**

Andersen, M. C. S., Pedersen, C. B., Mathiesen, T. I., Poulsgaard, L., Kristensen, B. W., Halle, B. & Rom Poulsen, F., 21. jan. 2019, I : *Ugeskrift for Læger*. 181, 10, V07180489.

**Behandling af glioblastom og andre kræftformer med tumor treating fields**

Korshøj, A. R., Lukacova, S., Mikic, N., Cortnum, S. O. S., Lassen-Ramshad, Y., Lignell Guldborg, T., Severinsen, K. E., Thielscher, A., Rom Poulsen, F., Sørensen, J. C. H. & Burckhard von Oettingen, G., 2019, I : *Ugeskrift for Læger*. 181, 20A, V07180481.

**Cerebral monitorering af neurointensive patienter**

Forse, A., Clausen, A. H., Nielsen, T. H., Nordström, C.-H. & Rom Poulsen, F., 2019, I : *Ugeskrift for Læger*. 181, 6, V01180025.

**Cyclosporin A ameliorates cerebral oxidative metabolism and infarct size in the endothelin-1 rat model of transient cerebral ischaemia**

Forse, A., Nielsen, T. H., Nygaard, K. H., Nordström, C.-H., Gramsbergen, J. B. & Poulsen, F. R., 2019, I : *Scientific Reports*. 9, 1, 3702.

**Ethyl Pyruvate Treatment Increases Post-ischemic Levels of Selected Metabolites Detected by Labelled Cerebral Microdialysis**

Nygaard, K. H., Havelund, J., Nielsen, T. H., Færgeman, N. J., Nordström, C-H., Rom Poulsen, F., Gramsbergen, J. B. & Forse, A., 2019, I : Stroke. 50, Suppl. 1, s. TP318

**Fluorescensvejledt fjernelse af cerebrale glioblastomer**

Würgler Hansen, R., Rom Poulsen, F., Schulz, M. K. & Pedersen, C. B., 2019, I : Ugeskrift for Laeger. 181, 10, V04180265.

**In Vivo Microdialysis of Endogenous and <sup>13</sup>C-labeled TCA Metabolites in Rat Brain: Reversible and Persistent Effects of Mitochondrial Inhibition and Transient Cerebral Ischemia**

Havelund, J. F., Nygaard, K. H., Nielsen, T. H., Nordström, C-H., Poulsen, F. R., Færgeman, N. J., Forse, A. & Gramsbergen, J. B., 2019, I : Metabolites. 9, 10, 13 s., 204.

**Cerebral Metabolic Changes Related to Oxidative Metabolism in a Model of Bacterial Meningitis Induced by Lipopolysaccharide**

Munk, M., Rom Poulsen, F., Larsen, L., Nordström, C-H. & Nielsen, T. H., dec. 2018, I : Neurocritical Care. 29, 3, s. 496-503

**Intraoperative low field MRI in transsphenoidal pituitary surgery**

Møller, M. W., Andersen, M. S., Pedersen, C. B., Kristensen, B. W. & Poulsen, F. R., jul. 2018, I : Endocrine Connections. 7, 7, s. 897-906

**The risk of developing seizures before and after primary brain surgery of low- and high-grade gliomas**

Bech, K. T., Seyedi, J. F., Schulz, M., Poulsen, F. R. & Pedersen, C. B., jun. 2018, I : Clinical Neurology and Neurosurgery. 169, s. 185-191

**Validity of intracerebral haemorrhage diagnosis in two nationwide Danish registries**

Gaist, D., Madsen, C., Munk Hald, S., Hey, S. M., Nguyen, N. N. T. T., García-Rodríguez, L. A., Rom Poulsen, F. & Pottgård, A., maj 2018.

**Risk of seizures before and after neurosurgical treatment of intracranial meningiomas**

Seyedi, J. F., Pedersen, C. B. & Poulsen, F. R., feb. 2018, I : Clinical Neurology and Neurosurgery. 165, s. 60-66

**Intracerebral hemorrhage: positive predictive value of diagnosis codes in two nationwide Danish registries**

Hald, S. M., Kring Sloth, C., Hey, S. M., Madsen, C., Nguyen, N., García Rodríguez, L. A., Al-Shahi Salman, R., Möller, S., Poulsen, F. R., Pottgård, A. & Gaist, D., 1. jan. 2018, I : Clinical Epidemiology. 10, s. 941-948

**Treatment and reconstruction of a complicated infected scalp squamous cell carcinoma with CNS invasion**

Glud, A. N., Poulsen, F. R., Linnet, J. & Sørensen, J. A., 2018, I : BMJ Case Reports. 2018, 4 s., bcr-2017-222271.

**Outcome of conservatively treated occipital condylar fractures: A retrospective study**

Byström, O., Slott Jensen, T. & Rom Poulsen, F., 1. okt. 2017, I : Journal of Craniovertebral Junction and Spine. 8, 4, s. 322-327

**Cerebral oxygenation and energy metabolism in bacterial meningitis**

Larsen, L., Nielsen, T. H., Schulz, M. K., Andersen, Å. B., Schierbeck, J. & Rom Poulsen, F., 1. sep. 2017. 1 s.

**Bilateral chronic subdural hematoma: unilateral or bilateral drainage?**

Andersen-Ranberg, N. C., Poulsen, F. R., Bergholt, B., Hundsholt, T. & Fugleholm, K., jun. 2017, I : Journal of Neurosurgery. 126, 6, s. 1905-1911

### **Family-Focused Therapeutic Conversations with the Affected Family**

Nørregaard, A., Lütgen, K., Faarup, I., Lauridsen, J. T., Rom Poulsen, F. & Østergaard, B., jun. 2017.

### **P/Q-type and T-type voltage-gated calcium channels are involved in the contraction of mammary and brain blood vessels from hypertensive patients**

Thuesen, A. D., Lyngsø, K. S., Rasmussen, L., Stubbe, J., Skøtt, O., Rom Poulsen, F., Pedersen, C. B., Rasmussen, L. M. & Hansen, P. B. L., 1. mar. 2017, I : *Acta Physiologica*. 219, 3, s. 642–653

### **Association of Antithrombotic Drug Use With Subdural Hematoma Risk**

Gaist, D., Rodríguez, L. A. G., Hellfritzsch, M., Poulsen, F. R., Halle, B., Hallas, J. & Pottegård, A., 28. feb. 2017, I : *J A M A: The Journal of the American Medical Association*. 317, 8, s. 836-846 11 s.

### **No Value of Routine Brain Computed Tomography 6 Weeks after Evacuation of Chronic Subdural Hematoma**

Pedersen, C. B., Sundbye, F. & Poulsen, F. R., 2017, I : *The Surgery Journal*. 3, 4, s. e174-e176

### **Prevalence of hereditary hemorrhagic telangiectasia in patients operated for cerebral abscess: a retrospective cohort analysis**

Larsen, L., Rostgaard Marker, C., Kjeldsen, A. D. & Rom Poulsen, F., 2017, I : *European Journal of Clinical Microbiology & Infectious Diseases*. 36, 10, s. 1975–1980

### **Purulent bakteriel meningitis og cerebral metabolisme**

Rom Poulsen, F. & Larsen, L., 2017, I : *BestPractice*. DEC, s. 24-27

### **Shift of microRNA profile upon glioma cell migration using patient-derived spheroids and serum-free conditions**

Munthe, S., Halle, B., Boldt, H. B., Christiansen, H., Schmidt, S., Kaimal, V., Xu, J., Zabudoff, S., Mollenhauer, J., Rom Poulsen, F. & Kristensen, B. W., 2017, I : *Journal of Neuro-Oncology*. 132, 1, s. 45–54

### **Use of intracranial pressure monitoring in bacterial meningitis: a 10-year follow up on outcome and intracranial pressure versus head CT scans**

Larsen, L., Rom Poulsen, F., Nielsen, T. H., Nordström, C-H., Schulz, M. K. & Andersen, Å. B., 2017, I : *Infectious Diseases*. 49, 5, s. 356-364

### **Fewer complications with bolt-connected than tunneled external ventricular drainage**

Slott Jensen, T., Carlsen, J. G., Sørensen, J. C. & Rom Poulsen, F., aug. 2016, I : *Acta Neurochirurgica*. 158, 8, s. 1491-1494

### **Subdural hematoma cases identified through a Danish patient register: diagnosis validity, clinical characteristics, and preadmission antithrombotic drug use**

Poulsen, F. R., Halle, B., Pottegård, A., García Rodríguez, L. A., Hallas, J. & Gaist, D., 7. jul. 2016, I : *Pharmacoepidemiology and Drug Safety*. 25, 11, s. 1253–1262

### **Intracranial Aneurysms in Sickle-Cell Disease Are Associated With the Hemoglobin SS Genotype But Not With Moyamoya Syndrome**

Birkeland, P., Gardner, K., Kesse-Adu, R., Davies, J., Lauritsen, J., Rom Poulsen, F., Tolia, C. M. & Thein, S. L., jul. 2016, I : *Stroke*. 47, 7, s. 1710-1713

### **Family focused conversations with families where a member is living with Glioblastoma**

Nørregaard, A., Lütgen, K., Faarup, I., Lauridsen, J. T., Rom Poulsen, F. & Østergaard, B., jun. 2016.

### **Trends in tumors in the central nervous system in elderly in Denmark, 2008-2012**

Dahlrot, R. H., Poulsen, F. R., Nguyen, N. N. T. T., Kristensen, B. W., Hansen, S., Holm, N. V. & Academy of Geriatric Cancer Research (AgeCare), 19. jan. 2016, I : *Acta Oncologica*. 55, Suppl. 1, s. 91-97

### **Glioma Cells in the Tumor Periphery Have a Stem Cell Phenotype**

Munthe, S., Petterson, S. A., Dahlrot, R. H., Poulsen, F. R., Hansen, S. & Kristensen, B. W., 2016, I : *P L o S One*. 11, 5, e0155106.

**Migrating glioma cells express stem cell markers and give rise to new tumors upon xenografting**

Munthe, S., Sørensen, M. D., Thomassen, M., Burton, M., Kruse, T. A., Lathia, J. D., Poulsen, F. R. & Kristensen, B. W., 2016, I : Journal of Neuro-Oncology. 130, 1, s. 53-62

**Subdural haematoma complicating shunting for normal pressure hydrocephalus in the setting of concomitant antiplatelet medication: a report of 11 cases**

Birkeland, P., Lauritsen, J. & Poulsen, F. R., 2016, I : British Journal of Neurosurgery. 30, 5, s. 567-570

**An expanding intracerebral haematoma**

Birkeland, P., Høgedal, L. & Poulsen, F., 25. sep. 2015, I : BMJ (Clinical research ed.). 351, 4 s., h5014.

**Aspirin is associated with an increased risk of subdural hematoma in normal-pressure hydrocephalus patients following shunt implantation**

Birkeland, P., Lauritsen, J. & Poulsen, F. R., aug. 2015, I : Journal of Neurosurgery. 123, 2, s. 423-426

**Family Function, Family Hardiness and Health Related Quality of Life in Families where a Member Is Living with High-grade Glioma**

Nørgaard, A., Lütgen, K., Faarup, I., Østergaard, B. & Rom Poulsen, F., aug. 2015.

**Antithrombotic drugs and subarachnoid haemorrhage risk: A nationwide case-control study in Denmark**

Pottegård, A., García Rodríguez, L. A., Poulsen, F. R., Hallas, J. & Gaist, D., 23. jul. 2015, I : Thrombosis and Haemostasis. 114, 5, s. 1064-1075

**Family Function, Family Hardiness and Health Related Quality of life in families, where a member is living with High-grade Glioma**

Faarup, I., Lütgen, K., Nørregaard, A., Rom Poulsen, F., Lauridsen, J. T. & Østergaard, B., maj 2015.

**Bedside Evaluation of Cerebral Energy Metabolism in Severe Community-Acquired Bacterial Meningitis**

Rom Poulsen, F., Schulz, M., Jacobsen, A., Andersen, Å. B., Larsen, L., Schalén, W., Nielsen, T. H. & Nordström, C-H., apr. 2015, I : Neurocritical Care. 22, 2, s. 221-228

**Chronic aldosterone exposure inhibits nitric oxide-dependent dilatation in human and mouse intracerebral arterioles**

Lyngsø, K. S., Rom Poulsen, F. & Hansen, P. B. L., 2015, I : Acta Physiologica (Print). 215, S703, s. 12 1 s., 28.

**Perindopril and residual chronic subdural hematoma volumes six weeks after burr hole surgery: a randomized trial**

Poulsen, F. R., Munthe, S., Sørensen, M. & Halle, B., aug. 2014, I : Clinical Neurology and Neurosurgery. 123, s. 4-8 5 s.

**Treatment and clinical outcome in patients with idiopathic normal pressure hydrocephalus - a systematic review**

Torsnes, L., Blåfjeldal, V. & Poulsen, F. R., 2014, I : Danish Medical Journal. 61, 10, 7 s., A4911.

**Good clinical outcome after combined endovascular and neurosurgical treatment of cerebral venous sinus thrombosis**

Poulsen, F. R., Høgedal, L., Stilling, M. V., Birkeland, P. F., Schultz, M. & Rasmussen, J. N., 2013, I : Danish Medical Journal. 60, 11, 5 s., A4724.

**A brain slice culture model for studies of endogenous and exogenous precursor cell migration in the rostral migratory stream**

Tanvig, M., Blaabjerg, M., Andersen, R. K., Villa, A., Rosager, A. M., Poulsen, F. R., Martinez-Serrano, A., Zimmer, J., Meyer, M. & Honnens Tanvig, M., 2009, I : Brain Research. 1295, s. 1-12 12 s.

**Interaction between neuropeptide Y (NPY) and brain-derived neurotrophic factor in NPY-mediated neuroprotection against excitotoxicity: a role for microglia**

Xapelli, S., Bernardino, L., Ferreira, R., Grade, S., Silva, A. P., Salgado, J. R., Cavadas, C., Grouzmann, E., Poulsen, F. R., Oliveira, C. R., Zimmer, J. & Malva, J. O., 2008, I : European Journal of Neuroscience. 27, 8, s. 2089-2102

**Comparison of neuroprotective effects of erythropoietin (EPO) and carbamylerythropoietin (CEPO) against ischemia-like oxygen-glucose deprivation (OGD) and NMDA excitotoxicity in mouse hippocampal slice cultures**

Montero, M., Rom Poulsen, F., Noraberg, J., Kirkeby, A., van Beek, J., Leist, M. & Zimmer, J., 1. mar. 2007, I : Experimental Neurology. 204, 1, s. 106-117 11 s.

**Organotypic hippocampal slice cultures for studies of brain damage, neuroprotection and neurorepair**

Noraberg, J., Poulsen, F. R., Blaabjerg, M., Kristensen, B. W., Bonde, C., Montero, M., Meyer, M., Gramsbergen, J. B. & Zimmer, J., 1. aug. 2005, I : Current Drug Targets. CNS & Neurological Disorders. 4, 4, s. 435-452 17 s.

**Glutamate receptor antagonists and growth factors modulate dentate granule cell neurogenesis in organotypic, rat hippocampal slice cultures.**

Poulsen, F. R., Blaabjerg, M., Montero, M. & Zimmer, J., 27. jul. 2005, I : Brain Research. 1051, 1-2, s. 35-49 14 s.

**Modulator effects of interleukin-1beta and tumor necrosis factor-alpha on AMPA-induced excitotoxicity in mouse organotypic hippocampal slice cultures.**

Bernardino, L., Xapelli, S., Silva, A. P., Jakobsen, B., Poulsen, F. R., Oliveira, C. R., Vezzani, A., Malva, J. O. & Zimmer, J., 20. jul. 2005, I : Journal of Neuroscience. 25, 29, s. 6734-44 10 s.

**Group I metabotropic glutamate receptors reduce excitotoxic injury and may facilitate neurogenesis**

Baskys, A., Bayazitov, I., Fang, L., Blaabjerg, M., Poulsen, F. R. & Zimmer, J., 2005, I : Neuropharmacology. 49 Suppl 1, s. 146-156 11 s.

**Differential expression of brain-derived neurotrophic factor transcripts after pilocarpine-induced seizure-like activity is related to mode of Ca<sup>2+</sup> entry**

Poulsen, F. R., Lauterborn, J., Zimmer, J. & Gall, C. M., 2004, I : Neuroscience. 126, 3, s. 665-676 12 s.

**Dannelse af nye nerveceller i den voksne hjerne**

Poulsen, F. R., Meyer, M. & Rasmussen, J. Z., 2003, I : Ugeskrift for læger. 165, 14, s. 1443-1447

**Pilocarpine-induced seizure-like activity with increased BDNF and neuropeptide Y expression in organotypic hippocampal slice cultures**

Poulsen, F. R., Jahnsen, H., Blaabjerg, M. & Zimmer, J., 20. sep. 2002, I : Brain Research. 950, 1-2, s. 103-118 16 s.

**Perforant path lesioning induces sprouting of CA3-associated fibre systems in mouse hippocampal formation**

Drøjdahl, N., Hegelund, I. V., Poulsen, F. R., Wree, A. & Finsen, B., maj 2002, I : Experimental Brain Research. 144, 1, s. 79-87 9 s.

**Erythropoietin - effekt på nydannelse af nerveceller i hjernen**

Meyer, M., Poulsen, F. R. & Rasmussen, J. Z., 2002, I : Ugeskrift for læger. 164, 39, s. 4551-4553

**Increased synthesis of heparin affin regulatory peptide in the perforant path lesioned mouse hippocampal formation**

Poulsen, F. R., Lagord, C., Courty, J., Pedersen, E. B., Barritault, D. & Finsen, B., dec. 2000, I : Experimental Brain Research. 135, 3, s. 319-330 12 s.

**Axonal sprouting regulates myelin basic protein gene expression in denervated mouse hippocampus**

Jensen, M. B., Poulsen, F. R. & Finsen, B., 2000, I : International Journal of Developmental Neuroscience. 18, 2-3, s. 221-235

**Microglial reactivity correlates to the density and the myelination of the anterogradely degenerating axons and terminals following perforant path denervation of the mouse fascia dentata.**

Jensen, M. B., Hegelund, I. V., Rom Poulsen, F., Owens, T., Zimmer, J. & Finsen, B., 1. jan. 1999, I : Neuroscience. 93, 2, s. 507-518 11 s.



**Axotomy-induced Glial Reactions in Normal and Cytokine Transgenic Mice: The Function of Glial Cells in Health and Disease: Dialogue between Glia and Neurons**

Finsen, B., Jensen, M. B., Lomholt, N. D., Hegelund, I. V., Rom Poulsen, F. & Owens, T., 1999, I : Advances in Experimental Medicine and Biology. 468, s. 157-71 14 s.

**Dexamethasone selectively suppresses microglial trophic responses to hippocampal deafferentation**

Woods, A. G., Poulsen, F. R. & Gall, C. M., 1999, I : Neuroscience. 91, 4, s. 1277-89 13 s.

**Transcript-specific effects of adrenalectomy on seizure-induced BDNF expression in rat hippocampus**

Lauterborn, J. C., Poulsen, F. R., Stinis, C. T., Isackson, P. J. & Gall, C. M., 30. mar. 1998, I : Brain Research. 55, 1, s. 81-91 11 s.

**Prevention of mouse-rat brain xenograft rejection by a combination therapy of cyclosporin A, prednisolone and azathioprine**

Pedersen, E. B., Poulsen, F. R., Zimmer, J. & Finsen, B., 1995, I : Experimental Brain Research. 106, 2, s. 181-6 6 s.

## Priser

**2nd Best Poster Danish Society for Neuroscience Annual Meeting**

Kevin Heebøll Nygaard (Modtager), Jesper Havelund (Modtager), Nielsen, Troels Halfeld (Modtager), Nordström, Carl-Henrik (Modtager), Færgeman, Nils J. (Modtager), Rom Poulsen, Frantz (Modtager), Jan Bert Gramsbergen (Modtager) & Axel Forsse (Modtager), 2018

## Presse/medie

**De kommende dage bliver afgørende**

Frantz Rom Poulsen

21/02/2016

1 element af Mediedækning

**Ekspert: Han skal nok komme sig**

Frantz Rom Poulsen

04/02/2015

1 element af Mediedækning

**Fem ting du skal vide om rystesyge og ultralydsbehandling**

Frantz Rom Poulsen

18/07/2019

1 Mediebidrag

**Fem ting du skal vide om rystesyge og ultralydsbehandling**

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18/07/2019

1 Mediebidrag

**Fem ting du skal vide om rystesyge og ultralydsbehandling**

Frantz Rom Poulsen

19/07/2019

1 Mediebidrag

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Frantz Rom Poulsen

18/07/2019

1 Mediebidrag

**Hypofyseadenom**

Frantz Rom Poulsen

13/05/2019

1 Mediebidrag

**Lægefaglig uenighed lader rystende patienter i stikken**

Frantz Rom Poulsen

04/09/2020

1 Mediebidrag

**Lægefaglig uenighed lader rystende patienter i stikken**

Frantz Rom Poulsen

08/09/2020

1 Mediebidrag

**Ny teknik kan afsløre, om kompatienter vil vågne**

Frantz Rom Poulsen

01/06/2016

1 element af Mediedækning

**OUH gør det lettere at fjerne kræftsvulster i hjemmen**

Frantz Rom Poulsen

11/04/2017

1 element af Mediedækning

**OUH-læger er klar med et nyt våben i kampen mod kræft**

Frantz Rom Poulsen

10/01/2017

2 elementer af Mediedækning

**Patienter med rystesygge kæmper for at få ny behandling til Danmark**

Frantz Rom Poulsen

19/07/2019

1 Mediebidrag

**Patienter med rystesygge kæmper for at få ny behandling til Danmark**

Frantz Rom Poulsen

19/07/2019

1 Mediebidrag

**Ramt af rystelser i kroppen: Kæmper for at få ny behandling til Danmark**

Frantz Rom Poulsen

18/07/2019

1 Mediebidrag

**Ramt af rystelser i kroppen: Kæmper for at få ny behandling til Danmark**

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**Ramt af rystelser i kroppen: Kæmper for at få ny behandling til Danmark**

Frantz Rom Poulsen

18/07/2019

1 Mediebidrag

**Ramt af rystelser i kroppen: Kæmper for at få ny behandling til Odense**

Frantz Rom Poulsen

18/07/2019

1 Mediebidrag

**Susanne har rystet, siden hun var 12: Hendes og andre rystesyges skæbne afgøres snart**  
Frantz Rom Poulsen  
09/06/2020  
1 Mediebidrag

**Susanne har rystet, siden hun var 12: Hendes og andre rystesyges skæbne afgøres snart**  
Frantz Rom Poulsen  
09/06/2020  
1 Mediebidrag

**Til kamp mod kedelige idrætstimer**  
Frantz Rom Poulsen, Lars Ole Sauerberg & Torben Hansen  
03/02/2017  
1 element af Mediedækning

## **Undervisning og vejledning**

**Neurosurgery and Neuroscience - practical and theoretical**

, & Frantz Rom Poulsen  
01/09/2016 → ...

**Supervisor of medical student research year scholar**

& Frantz Rom Poulsen  
01/09/2017 → 01/07/2018