



# MICHAEL E. SEIFF, M.D.

## Neurological Surgery

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### CURRICULUM VITAE

#### Residency

- Albert Einstein College of Medicine, Bronx, NY
  - Residency, Neurological Surgery, 1995 – 1999
- Ohio State University Medical Center, Columbus, OH
  - Resident, Neurological Surgery with concurrent enrollment in the *Neuroscience Graduate Training Program*, 1993 – 1995

#### Internship

- Ohio State University Medical Center, Columbus, OH
  - Internship, Surgical Services and Clinical Instructor, 1992 – 1993

#### Medical School

- Suny Health Science Center at Brooklyn, NY
  - Doctorate of Medicine, 1992

#### College

- Washington University, St. Louis, MO
  - M.A. Microbiology, 1985
  - B.A. Biology, 1984

#### Board Certification

- Diplomate American Board of Neurological Surgery, 2005

#### Licensure

- Nevada – Active
- Ohio – Inactive
- Texas - Inactive

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### **Memberships**

- Congress of Neurological Surgeons
- American Association of Neurological Surgeons
- Joint Sections in Trauma and Critical Care, Tumor, and Spine
- American Medical Association
- Divers Alert Network

### **Honors and Awards**

- Recipient of the Molecular Geriatrics Research Fellowship, 1993
- Recipient of the Sandoz Medical Research Fellowship in the Neurosciences, 1993

### **Teaching Experience**

- University Medical Center of Southern Nevada, residents, 2001 – present.
- Albert Einstein College of Medicine, medical students, 1995 – 1999
- Mount Sinai Scholars Program, high school students, 1987 – 1988
- Guest Lecturer, Long Island University College of Pharmacy, 1984
- Teaching Assistanceships, Washington University, 1983 - 1985

### **Research Experience**

- Hereditary Basis of Neural Tube Defects, 1997
- Myelomeningocele, 1996 – 1997
- Craniosynostosis, 1996 – 1997
- Nitric Oxide Synthase Gene Expression, 1993 – 1994
- Development of Eukaryotic Gene Expression Systems, 1990
- Molecular Basis of Bacterial Pathogenesis, 1985 – 1988
- Bacterial Genetics, 1984 – 1985
- Phycology, 1983
- Reproductive Immunology, 1982

### **Committees**

- Critical Care Committee and Ethics Committee, Cypress Fairbanks Medical Center, 1999 – 2000
- Board of Trustees, Nevada Donor Network

### **Invited Presentations**

1. Gotshlich, E.C., Seiff, M.E. and Koomey, J.M. Three distinct gonococcal genes related to H8 antigen. Fifth International Pathogenic Neisseria Conference. Noordwijkerhout, The Netherlands, 14 – 18 September 1986.

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2. Gotshlich, E.C., Blake, M.S., Lytton, E.J., and Seiff, M.E. Gonococcal Protein III: Purification and chemical characterization of the protein, and the DNA sequence of the structural gene. Fifth International Pathogenic Neisseria Conference. Noordwijkerhout, The Netherlands, 14 – 18 September 1986.
3. Seiff, M.E., Keating, R.F., and Goodrich, J.T. Outcome of thoracic myelomeningoceles. Congress of Neurologic Surgeons, Annual Meeting Montreal, Canada, Canada, 1 – 6 October 1996.
4. Desmopressin and post-operative diabetes insipidus. Grand Rounds, Department of Neurosurgery, Montefiore Medical Center, Bronx, NY, 16 October 1996.
5. Seiff, M.E., Keating, R.F., Seimen, L., Marion R. and Goodrich, J.T. Long-term outcome in myelomeningocele: These kids are doing better than you think. Joint Section of Pediatric Neurosurgery of AANS and CNS. Charleston, SC, 12 December 1996.
6. Goodrich, J.T., Keating, R.F., and Seiff, M.E. Posterior plagiocephaly: Diagnosis, treatment, and assessment of outcome. Craniosynostosis and Skull Molding Symposium, Scottsdale, AZ 21 February 1997.
7. Goodrich, J.T., Keating, R.F., and Seiff, M.E. Metopic synostosis: Indications for surgery and outcome assessment. Craniosynostosis and Skull Molding Symposium, Scottsdale, AZ, 22 February 1997.
8. Goodrich, J.T., Keating, R.F., and Seiff, M.E. Crouzons syndrome: Indications for first-state decompression and cranio-orbital reconstruction. Craniosynostosis and Skull Molding Symposium, Scottsdale, AZ, 23 February 1997.
9. Development and Application of a database of patients with craniosynostosis evaluated and treated at Montefiore Medical Center from 1986 – present. Grand Rounds, Department of Neurosurgery. Montefiore medical Center, Bronx, NY, 12 February 1997.
10. Seiff, M.E., Keating, R.F., Seimen L., Marion R., and Goodrich, J.T. Long-term outcome in myelomenigocele: These kids are doing better than you think. Charles R. Elsberg Memorial Lecture, New York Neurosurgical Society, Mount Sinai Medical Center, New York, NY, 1 April 1997.
11. Seiff, M.E., Emergency management of acute subarachnoid hemorrhage. Cypress Fairbanks Emergency Physician Conference, Houston, TX, 26 January 00.
12. Seiff, M.E., Brain Death: Reality and Legality. United Network for Organ Sharing (UNOS) Region Clinical Forum 5, Alexis Park Hotel, Las Vegas, NV 21 Mar 2002.
13. Seiff, M.E., Brain Death: Reality and Legality. Grand Rounds, Valley Hospital Medical Center, Las Vegas, NV, 11 Dec 2002.
14. Seiff, M.E., Guidelines for Head Injury Management. Society of Trauma Nurses Annual Conference, Venetian Hotel Conference Center, Las Vegas, NV, 23 Mar 2003.
15. Seiff, M.E., Subarachnoid Hemorrhage. Grand Rounds, Sunrise Hospital Medical Center, Las Vegas, NV, 25 Mar 2005.

### **Bibliography**

1. Brown, N.L., Misra, T.K., Winnie, J.N., Schmidt, A., Seiff, M.E., and Silver, S. (1986). The nucleotide sequence of the mercuric resistance operons of plasmid R100 and transposon *Tn501*: Further evidence for *mer* genes which enhance the activity of the mercuric ion detoxification system. Molec Gen Genet 201:143-151.

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2. Gotschlich, E.C., Blake, M.S., Koomey, J.M., Seiff, M.E., and Derman, A. (1986). Cloning of the structural genes of three H8 antigens and Protein III of *Neisseria gonorrhoea* J Exp Med 164:868-881.
3. Wetzler, L and Seiff, M.E. (1986). AIDS vaccine and the private sector (letter) N Engl J Med 341:1511-1512.
4. Gotschlich, E.C., Blake, M.S., Lytton, E.J., and Seiff, M.E. (1987). Gonococcal Protein III: Purification and chemical characterization of the protein, and the DNA sequence of the structural gene. *In* Proceedings of the Fifth International Pathogenic Neisseria Conference, 14-18 September 1986, Noordwijkerhout, The Netherlands J. Poolman, editor.
5. Gotschlich, E.C., Seiff, M.E., and Blake, M.S. (1987). The DNA sequence of the structural gene of gonococcal protein III and the flanking region containing a repetitive sequence. Homology of protein III with enterobacterial *OmpA* proteins. J Exp Med 165:471-482.
6. Gotschlich, E.C. and Seiff, M.E. (1987). Identification of an azurin-like protein with a lipoprotein signal peptide in *Neisseria gonorrhoea* FEMS Microbio Lett 43:253-255.
7. Seiff, M.E. (1987). A rapid method for the identification and sub-cloning of missing regions of incompletely cloned genes by dot-blot hybridization directly in low-melting point agarose. Biotechniques 5:416-418.
8. Gotschlich, E.C., Seiff, M.E., Blake, M.S., and Koomey, J.M. (1987). Porin protein of *Neisseria gonorrhoea*: Cloning and gene structure. Proc Natl Acad Sci USA 84:8135-8139.
9. Gotschlich, E.C., Seiff, M.E., and Blake, M.S. (1988). Studies on gonococcal protein I. *In* Bacteria Host-Cell Interaction, M.A. Horwitz, editor. Alan R. Liss, Inc., New York, 85-97.
10. Murikame, K., Gotschlich, E.C., and Seiff, M.E. (1989). The cloning and characterization of the structural gene of the class 2 protein of *Neisseria meningitides*. Infect. Immun. 57(8):1218-2323.
11. Seiff, M.E., Keating, R.F., Seimen, L., Marion, R., and Goodrich, J.T. (1997). Long term outcome in myelomeningocele: These kids are doing better than you think. J. Neurosurg. 86:353A.
12. Seiff, M.E., Goodrich, J.T. (2001). Post-operative considerations in pediatric brain tumors. *In* Keating, R.F., Goodrich, J.T., Packer, R. (eds.): Pediatric CNS Tumors, Thieme, New York.
13. Seiff, M.E. Hydrocephalus. *In* Saunders Manual of Neurologic Practic. Evans, R.W. (ed).

### Affiliation

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### **Hospital Privileges**

- Sunrise
- Summerlin
- University Medical Center
- Valley
- Desert Springs
- MountainView
- St. Rose Dominican and Siena
- Spring Valley
- Southern Hills
- Medical District Surgery Center
- Surgery Center of Southern Nevada