

# **Salman Afsharpour (Sam Afshar)**

## **Ph.D. Anatomy & Neuroscience**

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### **Professional Experience**

JAN 1992 to OCT 2004 and March 2012 to Present

#### **Life University, Marietta, GA:**

- \*Full time faculty of Anatomy & Neuroscience
- \*Taught the following courses: Spinal Anatomy, Gross Anatomy, Neuroanatomy (CNS & PNS), Osteology, Introductory Anatomy, and Physiology
- \*Active Prosection production for teaching, demonstration, and Seminar presentations.
- \*Active participant in Upper Cervical and (Cervical/Lumbar Dissection) Seminars.
- \*Produced state-of-the-art Dissection Videos (using Cadavers) at Department of Anatomy, Basic Sciences division along with HD videos (using Cadavers and Models) covering the entire human body including the Brain and Spinal cord.  
These videos are mostly used by Chiropractic students at Life University, Marietta, GA and at Life West, California.
- \*Active in research and scholar activity with other interdepartmental colleagues. Research is focused mainly on most sensitive areas of the body's system important for Chiropractic profession, such as the suboccipital region and anomalies affecting vertebral artery and C1, C2 nerves' proper function.

1989 to 1991

#### **LeMoyné Owen College, Memphis, TN:**

- \*Assistant Professor of Biological Sciences
- \*Taught the following courses: Anatomy and Physiology, Vertebrate Embryology, and Biology
- \*Directed Biology seminar course
- \*Instructed high school teachers in biological concepts for the Project Achieve program

1983 to 1989

#### **University of Tennessee, Memphis:**

- \*Instructor/Research Associate
- \*Taught the following courses: Gross Anatomy, Dental Head and Neck, Embryology, Neuroanatomy, and Histology
- \*Management and technical consultant in the neuroscience laboratory

\*Presented physical/occupational therapy lectures

1977 to 1983

**Michigan State University:**

\*Graduate Research Assistant

\*Taught the following courses/labs: Anatomy in Physical Diagnosis, Human Gross Anatomy, Microscopic Anatomy (Histology), Veterinary Anatomy, Veterinary Histology, Biology, Anatomy and Physiology, and Neuroanatomy

\*Acquired competency in Electron Microscopy

OCT 2004 to FEB 2012

**U.S. Government:**

\*More than 7 years of OCONUS & CONUS service as an advisor and foreign language analyst (Farsi & Arabic) for US forces and US Embassy in Baghdad, Iraq and at the INSCOM/NSA, Washington D.C. area. Security Clearance: TS / SCI-DCIC / SI / TK / G / HCS with CI Poly

**Education**

\*Postdoctoral Education, Neuroscience Center of Excellence, University of Tennessee, 1983-1988

\*Ph.D., Anatomy&Neuroscience, Medical College-Michigan State University, 1983

\*B.S., Biology, Azarabadegan-Tabriz University, Iran 1974

\*High School Farsi Science Diploma, Baghdad, Iraq 1970

\*High School Arabic Science Diploma, Karbala, Iraq 1968

\*Member of the Society for Neuroscience, International Brain Research Organization; Neuroscience Center of Excellence at the University of Tennessee, Memphis; Human Anatomy and Physiology Society.

**Professional Memberships**

- Society for Neuroscience
- International Brain Research Organization
- Neuroscience Center of Excellence, University of Tennessee, Memphis
- Human Anatomy and Physiology Society

**Languages**

Fluent in Farsi / Arabic / English.

## **Awards Received**

- Who's Who Among America's Teachers – 4th Edition, 1996, Volume II
- Best Instructor Award (Honorable Mention) 1991
- Pre health Professional Society Advisor Award (IPHPS)
- Life University 2013 & 2014 Merit Awards - Production of HD Videos from prosection of the Cadavers & Models and its effect on student performance

## **Patents and Publications**

**Afsharpour, S.** and S.T. Kitai. Rat Subthalamic Neurons: A Golgi Study. Presented at Michigan Chapter: Society of Neuroscience, (June 5, 1982).

**Afsharpour, S. H.** Imai and S.T. Kitai. A Golgi Study of Rat Subthalamic Nucleus. 12th Annual Meeting, Society for Neuroscience, (48.16 Page 171, November 1982).

**Afsharpour, S.** and S.T. Kitai. Topographical Projection of the Rat Cerebral Cortex to Subthalamic Nucleus. 13th Annual Meeting, Society for Neuroscience, (356-1 Page 1229, November 1983).

Steindler, D.A., H. Imai, **S. Afsharpour** and S.T. Kitai. The Organizations of Divergent Axonal Projections from the Mid Brain Raphe Nuclei in the Rat. 13th Annual Meeting Society for Neuroscience, (108.12 Page 363, November 1983).

**Afsharpour, S.,** R.G. Penny, and S.T. Kitai. Glutamic Acid Decarboxylase, Leucine-Enkephalin, and Substance-P Immunoreactive Neurons in the Neostriatum of the Rat and the Cat. 14th Annual Meeting, Society for Neuroscience, (205-5 Page 702, October 1984).

**Afsharpour, S.,** H. Kita, R.G. Penny, and S.T. Kitai. Glutamic Acid Decarboxylase, Substance-P and Leu-Enkephalin-Immunoreactive Neurons in the Rat Neostriatum that Project to the Globus Pallidus and Substantia Nigra. 15th Annual Meeting, Society for Neuroscience, (110-1 Page 362, October 1985).

**Afsharpour s.,** H. Kita, and S.T. Kitai. Dynorphin B Immunoreactive Neurons in Rat Neostriatum: Their Distribution, Co-localization, and Projection to The Globus Pallidus, Entopeduncular Nucleus, and The Substantia Nigra. 16th Annual Meeting, Society for Neuroscience, (179-16 Page 653, November 1986).

Fitzgerald, M., **S. Afsharpour**, H. Kita, and S.T. Kitai. The Ontogeny of Gama Aminobutyric Acid, Leu-Enkephalin, Met-Enkephalin, Somatostatin and Substance-

P Immunoreactive Neurons in The Rat Neostriatum. 16th Annual Meeting, Society for Neuroscience, (179-17 Page 653, November 1986).

**Afsharpour, S.**, H. Kita, and S.T. Kitai. Pallidal Projections to Subthalamus, Substantia Nigra, and Pedunculo-pontine Nucleus: Evidence for Collateralization as Revealed by Wheat Germ-HRP Histochemistry Combined with Cholera Toxin B Immunocytochemistry. 17th Annual Meeting, Society for Neuroscience, (435-19, Page 1570, November 1987).

Granata, A.R., **S. Afsharpour**, and S.T. Kitai. Nucleus Tractus Solitarius Inputs to Parabrachialis: Intracellular Study. 72nd Annual Meeting, FASEB, 6913, May 1988.

Kitai, S.T., A.R. Granata, and **S. Afsharpour**. Intracellular Analysis of Subthalamic Inputs to the Pedunculo-pontine Neurons. 72nd Annual Meeting, FASEB, 258, May 1988.

Kang, Y.N., **S. Afsharpour**, and S.T. Kitai. Membrane Properties of Pedunculo-pontine Neurons and Their Responses to Nigral Stimulation in an In Vitro Slice Preparation. 18th Annual Meeting, Society of Neuroscience, (408.19 Page 1025, November 1988).

Granata, R.G., **S. Afsharpour**, and S.T. Kitai. Intracellular Analysis of Excitatory NTS Inputs to the Nucleus Parabrachialis. 18th Annual Meeting, Society of Neuroscience, (130.12 Page 317, November 1988).

**Afsharpour, S.** Light Microscopic Analysis of Golgi-Impregnated Rat Subthalamic Neurons. Journal of Comparative Neurology, Vol., 236, 1-13, 1985.

**Afsharpour, S.** Topographical Projection of The Rat Cerebral Cortex to The Subthalamic Nucleus. Journal of Comparative Neurology, Vol., 236, 14-28, 1985.

Penny, G. R., **S. Afsharpour**, and S. T. Kitai. The Glutamic Acid Decarboxylase, Leucine-Enkephalin, Methionine-Enkephalin, and Substance-P-Immunoreactive Neurons in The Neostriatum of The Rat and Cat: Evidence for Partial Population Overlap. Neuroscience, Vol., 17, No. 4, 1011-1045, 1986.

Penny, G. R., **S. Afsharpour**, and S. T. Kitai. Substance P-Immunoreactive Neurons in The Neocortex of The Rat. A Subset of The Glutamic Acid Decarboxylase-Immunoreactive Neurons. Neuroscience Letters, Vol., 65, No. 1, 53-59, 1986.

**Afsharpour, S.**, Dynorphin B-immunoreactive neostriatal Neurons: Organization, Projection to Globus Pallidus, Entopeduncular Nucleus, Substantia Nigra, and Co-existence with Leucine-Enkephalin. (Manuscript )

**Afsharpour, S.**, Hoiriis, K. Bruce, Fox, Demons, S. An Anatomical Study of Arcuate

Foramen. ACCRAC, March 19-21, 2015.

**Afsharpour, S., Hoiriis, K. Bruce, Fox, Demons, S.** An Anatomical Study of Arcuate Foramen and it clinical implication. July 23, 2015 (Manuscript).

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## References

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