**Aparna Rao**

Adjunct Professor, Dept. of Biology

Houston Community College, Central College

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**Education:**

M.Sc.: University of Calgary, Canada 1992 (Medical Biochemistry)

B.Sc.: Osmania University, Hyderabad, India 1985 (Genetics)

Teaching diploma: British Council, Singapore 2010

**Professional Experience:**

**Adjunct Professor, Houston community college**

Present: Introductory Biology and General Biology courses

**University of Calgary, Department of Neurosciences**

1995-1997: Designed and executed research experiments to study the neural interactions in Snail brains.

Used Cell culture and molecular biological techniques to study neurons and their cellular pathways as they traverse towards their targets and form specific synaptic connections with other neurons. Study of their morphology and physiology as they encounter injury and environmental stress.

Managed and supported summer interns through teaching and research.

**Julia McFarlane Diabetes Research Centre, Calgary, Canada**

1993-1995: Research Associate. Studying and supporting Diabetes research using Rabbit models.

**University of Calgary, Canada, Department of Anatomy and Biochemistry**

 1990-1992: Teaching Assistant

Teaching and tutoring pre medical and nursing students in Anatomy and Physiology

**University of Calgary, Canada, Department of Anatomy and Biochemistry**

1987-1990: Research Assistant (1987-1989)

 Identification of Centromere proteins. Investigator in identifying a new Centromere protein called CENP-F using serum from autoimmune patients. The discovery of this new protein contributed significantly in understanding Centromere composition.

**Publications:**

CENP-F is a ca 400 kDa kinetochore protein that exhibits a cell-cycle dependent localization

Dr. J. B. Rattner1, 4,\*, A. Rao1, M. J. Fritzler4, D. W. Valencia2, T. J. Yen3 Cell Molil.Cytoskeleton 26,214-226

Identification of a Centromere Protein. Aparna Rao. Master’s thesis now on display in Mckimmie library, Calgary Canada and Ottawa Library, Ottawa, Canada.