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International Center for Chemical and Biological Sciences,
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Pakistan.

Date of birth: December 31, 1965

Place of birth: Chittagong, Bangladesh

Nationality: Bangladeshi

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Karachi, Pakistan.

Education: 1981-1983:- Notre Dame College, Dhaka, Bangladesh.
1984-1990:- **M.B.B.S.**, Dhaka Medical College,
University of Dhaka, Bangladesh.
1992-1996:- **Ph.D.**, Research Institute of Environmental
Medicine, Nagoya University, Japan.
1997-2002:- Post-doctoral, Yale University, USA.
2003-2003:- Research Assistant Professor, Rutgers, The
State University of New Jersey, USA.
2004-2005:- Post-doctoral, University of East Anglia, UK.

Present Position: Professor (Foreign Faculty)

Language Abilities: English- Excellent in verbal and written.
Japanese- Excellent in verbal, poor in reading and writing.
Bangla-native language
Urdu-learning

Academic Attainments: 1) 1976-1978:- National Board Scholarship, Bangladesh,
for secondary Schools.

- 2) 1981-1983:- National Board Scholarship for Higher Secondary education.
- 3) 1984-1990:- National Board Scholarship for Medical Study.
- 4) 1992-1996:- Monbusho Scholarship, Japan, for Ph.D.

Participation in Conferences:

- 2007:1st International Symposium and Workshop-cum-Training Course on Molecular Medicine and Drug Research, Karachi and Islamabad, Pakistan.
- 2006:- 10th International Symposium on Natural Product Chemistry, Karachi, Pakistan.
- 2006: Electron microscopy workshop in Karachi University.
- 2005:- International Seminar by Peshawar University Teacher's Association, Baragali, Pakistan.
- 1999:- American Society for Cell Biology Meeting, Washington D.C., USA.
- 1998:- American Society for Cell Biology Meeting, San Francisco, USA.
- 1996:- 1st Asia-Pacific International Congress of Anatomists, Seoul, Korea.
- 36th Meeting of the Japanese Teratology Society, Sapporo, Japan.
- 1995:- 35th Meeting of the Japanese Teratology Society, Tokyo, Japan
- 100th Meeting of the Japanese Association of Anatomist, Tokyo, Japan
- 1994:-34th Meeting of the Japanese Teratology Society, Kochi, Japan.
- 47th Meeting of Japan Society for Cell Biology, Nagasaki, Japan.
- 20th Meeting of Japanese Toxicological Society, Tokyo, Japan.

PUBLICATIONS:

Full Papers:

- 1) Galindo F, Burguete MI, Vigara L, Luis SV, Kabir N, Gavrilovic J, Russell DA, 2005 Oct 14. Synthetic macrocyclic peptidomimetics as tunable pH probes for the fluorescence imaging of acidic organelles in live cells. *Angew Chem Int Ed Engl.*; 2005 44(40):6504-8.
- 2) Kabir N, Chaturvedi K, Liu LS, Sarkar DK, 2005. Transforming growth factor-beta3 increases gap-junctional communication among folliculostellate cells to release basic fibroblast growth factor. *Endocrinology*, 2005 Sep; 146(9):4054-60. Epub 2005 Jun 16.

- 3) Nakhost A, Kabir N, Forscher P, Sossin WS, 2002. Protein Kinase C isoforms are translocated to microtubules in neurons. *J. Biol. Chem.*, 2002 Oct 25;277(43):40633-9. Epub 2002 Aug 14.
- 4) Schaefer AW, Kabir N, Forscher P, 2002. Filopodia and actin arcs guide the assembly and transport of two populations of microtubules with unique dynamic parameters in neuronal growth cones. *J. Cell Biol.*, 2002 Jul 8; 158(1):139-152. Epub 2002 Jul 8.
- 5) Kabir N, Schaefer AW, Nakhost A, Sossin WS, Forscher P, 2001. Protein Kinase C activation promotes microtubule advance in neuronal growth cones by increasing average microtubule growth lifetimes. *J. Cell Biol.*, 2001 Mar 5; 152(5):1033-44
- 6) Kabir N, Yamamura H, Niki I, Iida Y, Uzzaman M, Sarkar D, Hayasaka S, Takagishi Y, Inouye M, Hidaka H, 1997. Immunocytochemical detection and spatial distribution of myosin light-chain kinase in preimplantation mouse embryos. *J Exp Zool.*, 1997 Jun 15; 278(3):147-55.
- 7) Kabir N, Yamamura H, Takagishi Y, Inouye M, Oda S, Hidaka H, 1996. Regulation of preimplantation development of mouse embryos: effects of inhibition of myosin light-chain kinase, a Ca²⁺/calmodulin dependent enzyme. *J. Exp. Zool.*, 1996, Feb 1; 274(2): 101-10.
- 8) Darmanto W, Kabir N, Inouye M, Takagishi Y, Yamamura H, 1994. Effects of 2-Methoxyethanol and Methoxyacetic acid on preimplantation mouse embryos in vivo. *Environ. Med.*, 1994; 38(1):29-31.
- 9) Darmanto W, Kabir N, Inouye M, Takagishi Y, Yamamura H, 1994. Effects of 2-Methoxyethanol and Methoxyacetic acid on preimplantation mouse embryos in vitro, *Environ Med.*; 1994; 38(1):33-36.
- 10) Kabir N. et al., 1993, Effects of ML-9, a specific inhibitor of myosin light-chain kinase, on preimplantation mouse development, *Environ. Med.*, 1993; 37, 47-50.
- 11) Kabir N. et al., 1993, Inhibition of myosin light-chain kinase affects myosin organization of preimplantation mouse embryos. *Environ. Med.* 1993; 37:151-154.

Abstracts:

- 1) Kabir N. et al., A potential role for Protein Kinase C regulation of microtubule dynamics in neuronal growth cones., *Mol. Biol. Cell.*, 10:2181Suppl S Nov. 1999
- 2) Kabir N. et al., Role of protein kinase C in growth cone motility., *Mol. Biol. Cell.*, 9:2793 Suppl S Nov. 1998
- 3) Kabir N. et al., Effects of myosin light-chain kinase inhibition on the organization of acto-myosin cytoskeleton during preimplantation mouse development. *Teratology*, 52(4), page 22B Oct, 1995.
- 4) Kabir N. et al., Effects of ML-9, a myosin light-chain kinase inhibitor, on preimplantation development of the mouse. *Teratology* 48(5):531, 1993.
- 5) Kabir N. et al., Distribution of actin and myosin in preimplantation mouse embryos, *Cell Structure and Function* 19(6):533, 1994.

APPROVED PROJECTS:

1. A Project titled “Establishing an immunocytochemistry and immunohistochemistry laboratory” was awarded to Dr. Nurul Kabir from Higher Education Commission, Pakistan on 17th Nov. 2005, letter No. 1-28/HEC/HRD/2005 for **Rs. 1 million**.

2. A project titled “Setting up a high-resolution microscopy system for testing different natural compounds in the treatment of different diseases such as Parkinson’s, Alzheimer,s, Immunological disease or Cancer” was awarded to Dr. Nurul Kabir from Higher Education Commission, Pakistan on 12th September, 2006, letter No. 20-602/R & D/06/2142 for **Rs. 6 million**.

TEACHING EXPERIENCE:

Currently teaching a M. Phil/Ph.D. course on molecular medicine in PCMD, ICCS, Karachi University. Have already taught 40 hours of lectures.