



► Dr. Nadeem Sheikh

Ph.D., Post doctorate (Germany), Post doctorate (Harvard, USA). CWT Fellow (Imperial College, London).

Assistant Professor (TTS).

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Objectives

To excel my knowledge and experience in Biomedical research and achieve the goals for the betterment of human kind.

Qualification

Ph.D. (March 2004-October 2006)

Completed the degree in 2 years and 8 months with 04 first author international publications.

M.Sc. (October 1997- July 1999)

Secured First class first position in the University and awarded three Gold medals.

Teaching and Research Experience

□ **Visiting Associate Professor** [03-02-2011 - To date]

[Department of Internal Medicine, Division of Gastroenterology, University of Medicine, Goettingen, Germany

□ **Assistant Professor** [under Tenure track system] [16-06-2008 - To date]

Department of Zoology (University of the Punjab, Lahore, Pakistan.

Postgraduate, M. Phil and Ph.D. teaching and Research guidance to the students. Career counseling and International Scholarship awards to the students on personal recommendations [05].

□ **Post-Doctoral research fellow** [HEC; 02-06-2009 to 28-07-2010]

Brain Tumor Research Center, Massachusetts General Hospital, Harvard Medical School, Simches Building, 185 Cambridge St, CPZN 3800, Boston, MA 02114 USA.

□ **Visiting Post-doctoral [CWT] Research Fellow** [6-10-2008 - 31-10-2008]

Department of Entomology, (Systematics and Evolution Section, Natural History Museum, Imperial College, London, UNITED KINGDOM).

Molecular Systematics of Beetles. Genomic DNA isolation, amplification and sequencing. Cluster

analysis.

- **Post-Doctoral Visiting Research Fellow** [01-11-2006 to 18-02-2007;13-07-2007 to 03-08-2007; 09-09-2008 to 05-10-2008]
Department of Internal Medicine, (Division of Gastroenterology and Endocrinology, University of Medicine, Göttingen, GERMANY).
Revision of the research papers and experimental work. Guidance to the Medical and PhD students. Designing and execution of research projects. Guidance to the Medical research and PhD students. Experimental work, analysis of the data and publishing the research findings in reputed international Journals.
- **Lecturer** [BPS18; 02-2007 -01-2008][BPS-19; 02-2008 - 15-06-1008]
Department of Zoology (University of the Punjab, Lahore, Pakistan).
Teaching B.S., M.S., M.Sc., M. Phil and PhD classes Cell Biology, Molecular Biology, Advances in Molecular Biology, Introduction to Cancer Biology, Cell and Molecular biology of Cancer and Radiobiology. Guidance and supervision of the graduate and postgraduate students in the research projects.
- **Deputy Director Research and Development** [Sciences; 03-2007 - to date]
University of the Punjab, Lahore, Pakistan.
Additional appointment to assist R&D directorate of the University of the Punjab to administer the research activities, funding, scholarships and developing the links with international Universities.
- **Ph.D. stipendium** [01-03-2004 - 31-10-2006]
Postgraduate Program (GRK335), (Clinical, Cellular and Molecular Biology of Internal Organs, Georg-August University, Göttingen, GERMANY).
Animal handling, Developing the animal models, Planning and executing the experiments, analysis of the data and publishing the findings in reputed international Journals.
- **Lecturer** [BPS-17; 11-02-2001 - 29-02-2004]
Department of Zoology, (University of the Punjab, Lahore, Pakistan).
Teaching to B.Sc. (Hons.) and M.Sc. Cell biology, Molecular biology, Evolution, Principles of Systematics, Animal Diversity. Active involvement in the research and supervision of the graduate and postgraduate students in their research projects and departmental administration.

Skills

- Natural History Museum, London; Molecular Systematics, Genomic DNA Isolation, amplification and sequencing, Natural History museum, London.
- Georg-August University Göttingen; Generation of Transposons, Promoter activation analyses in primary rat hepatocyte cultures transiently transfected with promoter-reporter gene (luciferase) constructs, Computer-assisted methods in molecular biology (data bases, online tools, protein structure), RNA isolation, Northern blotting, *in situ* hybridization, Biosynthetic Labelling, Immuncyto- and -histochemistry, Laser scan microscopy, Expression and purification of proteins in *Campylobacter jejuni*, Microdissection in analysing nephron and other organ structures. The use of a lasercapture

microscope, High resolution digital microscopy and multi-fluorescence imaging (cell culture and cytopsin), *In situ* hybridisation to visualise pancreas and liver development in *Xenopus* embryos, Fluorescence-activated cell sorting, Electrophysiological characterization of sodium-dicarboxylate co-transporters expressed in *Xenopus laevis* oocytes, Introduction into the generation of transgenic mice, Adenovirus-mediated gene transfer into cultured cardiac myocytes, 2D-Gel electrophoresis, MALDI- TOF mass spectrometry, SELDI-TOF MS.

Collaboration

- Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.
- Collaboration with Institute of Nuclear Medicine and Oncology Lahore.

Editorial Experience

Member Editorial Board Philippine Journal of Veterinary and Animal Sciences (2010-11)

Reviewer for the year 2009 for Gut international Journal

Reviewer for the year 2009 for Lab invest Journal

Reviewer for the year 2009 for African Journal of Biochemistry research

Member Editorial Board Pakistan Journal of Science

Member editorial board Punjab University Journal of Zoology.

Awards and Distinctions

- HEC approved supervisor for Ms/M. Phil and Ph.D. research.
- Received HEC Travel Grant (PKR 156,150/-) to Participate in APASL, Bangkok, Thailand (February 2011).
- Received PU Travel Grant (PKR 1,99,922/-) to Participate in GASL, Regensburg, Germany (January 2011).
- Higher Education Commission [HEC] Post doctoral fellowship Phase II (Batch-III, 2008) to work in Harvard Medical School, Harvard University, USA.
- Charles Wallace Pakistan trust fellowship [2008-09] to work in Natural History Museum, London, United Kingdom.
- Received HEC Travel Grant (PKR 1,56,150/-) to Participate in 21st APASL conference Bangkok, Thailand February 2011.
- Received PU Travel Grant (PKR 1,99,913/-) to Participate in GASL, Regensburg, Germany (January 2011).
- Received PU Travel Grant (PKR 1,34,500/-) to Participate in GASL, Heidelberg, Germany (January 2009).
- Received incentive award of Rs. 34,700/- for research Publications in 2008. □
Received incentive award of Rs. 30,000/- for research Publications in 2007.

- Received incentive award of Rs. 50,000/- for research Publications in 2006.
- DFG [Deutsche Forschungsgemeinschaft] Scholarship by GRK335 for Ph.D. studies in Georg-August University, Göttingen, Germany.
- European association for the study of liver (EASL) young investigator's bursary 210/- € to participate in the 41st EASL conference in Vienna, Austria.
- Award of 1800/- € to participate in the Heme-oxygenase conference in Boston, USA.
- First class first position in M.Sc.
- Sir William Roberts Gold Medal [University of the Punjab, Lahore, Pakistan].
- University of the Punjab Gold Medal [University of the Punjab, Lahore, Pakistan].
- Dr. Muzzafar Ahmad Gold Medal [Awarded by the Zoological Society of Pakistan].

Research Projects

Completed

Oncolytic herpes simplex virus vectors expressing therapeutic transgenes for the treatment of neurofibromatosis type 1 (NF1) and Glioblastoma (GBM) tumor funded by HEC and executed at Harvard University USA.

Study of serum protein and blood profile of renal failure patients funded by University of the Punjab, Lahore (Rs. 100,000/-)

Effects of dehydration on blood and extra-hepatic tissues of rat funded by University of the Punjab, Lahore (Rs.100,000/-).

Publications

Total Impact factor	[58.427]
Papers published in international Journals	[19][06]
Papers published in Local (Pakistani) Journals	[01]
Reviews published	

Reviews published

2009

1. **Sheikh N.**, Abid R. and Malik I.A. Metal toxicity I: Cadmium, Accepted for publication in Pakistan Journal of Science 2009. 61(1):55-59. **[HEC approved "Y" Category]**

Papers published

2011

2. Malik I., Naz N., **SHEIKH N.**, Khan S., Moriconi F., Blaschke M., and Ramadori G; Comparison of changes in the gene expression of transferrin receptor-1 and other iron regulatory proteins in the rat liver and brain during acute-phase-response. (Accepted in Cell and Tissue research) **[Impact factor 2.308]**
3. Manzoor F., Chaudhary M., SHEIKH N., and Khan I.A. 2010. Diversity and proportion of termite species in garden trees and wheat crop in district Bhakkar, Pakistan. (Accepted PJZ) **[Impact factor 0.18]**
4. **SHEIKH N.**, Naz N. and Qureshi A.W. Impact of the workplace environment on the hematology and serology of the steel industry workers. (Accepted in HealthMed) **[Impact factor 0.20]**.

2010

5. Malik I.A., Baumgartner B.G., Naz N., **SHEIKH N.**, Moriconi F. and Ramadori G. Changes in gene expression of DOR and other thyroid hormone receptors in rat liver during acute-phase response. *Cell and tissue research* (2010), 342: 261-272 [**Impact factor 2.308**]
6. **SHEIKH N.**, Qureshi A. M., Latif M. U. & Manzoor F. Study of temperature treated woods for the preference and first food choice by *Odontotermes obesus* (isoptera: termitidae) *Sociobiology* (2010), 56(2); 363-73 [**Impact factor 0.496**]
7. Malik I.A., Moriconi F., **SHEIKH N.**, Naz, N. Khan S., Dudas J., Mansuroglu T. Hess C.F. Fraenk M., Christiansen H. and Ramadori G. Single-dose gamma-irradiation induces up-regulation of chemokine- gene expression and recruitment of granulocytes into the portal area but not into other regions of rat hepatic tissue. *American Journal of Pathology*. (2010), 176(4); 1801-1815 [**Impact factor 5.917**]
8. Ramadori P., **SHEIKH N.**, Ahmad G., Dudas J. and Ramadori G. Hepatic changes of erythropoietin gene expression in a rat model of acute-phase response. *Liver International*. 30(1); 55-64, [**Impact factor 2.908**]
9. Manzoor F., **SHEIKH N.**, and Zawar A. Laboratory and field evaluation for the resistance of commonly used woods against *Coptotermes heimi* (Wasmann). *Nature Precedings* <http://hdl.handle.net/10101/npre.2010.4485.1> (2010).
10. Qureshi, A.W., Tanveer, A., and **SHEIKH N.**. Comparative analysis of Serum protein profiles of naturally infected Buffaloes with *Fasciola, Sp.* after treating with some indigenous plants and Triclabendazole. *Parasitology.*, (In Press 2.071)
11. Ahmad S., Aslam H., Saeed M.A., Haider A., Anwar A. and **SHEIKH N.** Utilization of dairy waste for biomass production of single cell protein through submerged fermentation. *Pakistan Journal of Science*. 2009, 61(2); 60-64. [**HEC approved "Y" Category**]

2009

12. **SHEIKH N.**, Abid R and Bashir T. Changes in the serum iron, aminotransferases and blood profile of the pre-treatment leukemia patients. *Pakistan Journal of Science* 2009; 61(2): 85-90 [**HEC approved "Y" Category**]
13. Moriconi F., Ahmad G., Ramadori P., Malik I., **SHEIKH N.**, Merli M., Riggio O. , Dudas J. and Ramadori G. Phagocytosis of gadolinium or zymosan induces simultaneous upregulation of hepcidin and downregulation of hemojuvelin and fpn-1 in murine liver. *Laboratory Investigation* 89: 1252-60. [**Impact factor 4.580**]
14. Manzoor F., Ahmed B.M., Malik S.A. and **SHEIKH N.** Repellency, Toxicity and Tunneling Ability of *Coptotermes heimi* (Isoptera: Rhinotermitidae) in Response to Biflex®, Termidor® and Tenekil®. *Sociobiology* 2009 Vol. 54(1): 161-73. [**Impact factor 0.557**].
15. **SHEIKH N.** Repellent and toxic effects of Biflex, cypermethrin and dursban to *Microtermes obesi* (Isoptera: Termitidae) *Sociobiology* 2009 Vol. 53(3): 843-50. [**Impact factor 0.557**].
16. **SHEIKH N.**, Irfan S. and Naz N. Effects of *Nerium oleander* to the subterranean termite *Coptotermes heimi* (Wasmann). Accepted for Publication in *Pakistan Journal of Science* 2009; 61(1):29-31. [**HEC approved "Y" Category**]
17. Novosyadly R., Leibach A., **SHEIKH N.**, Tron K., Pannem R., Ramadori G. and Scharf J. G. Temporal and spatial expression of IGF-1 and IGFBP-1 during acute-phase response induced by localized inflammation in rats. *Growth Horm IGF Res*. 2009 Feb;19(1):51-60 [**Impact factor; 1.831**]

2008

18. Moriconi F., Christiansen H., Raddatz D., Dudas J., Hermann R. M., Rave-Fränk M., **SHEIKH N.**, Saile B., Hess C. F. and Ramadori G. Effects of irradiation on gene expression of rat liver chemokines: *in vivo* and *in vitro* studies. *Radiat. Res*. 2008; 169: 162-9. [**Impact factor; 2.602**]

19. **SHEIKH N.** Manzoor F., Ahmed R., Naz N. and Malik S. A. Laboratory study of repellency and toxicity of tenekil, termidor and terminus against subterranean termite *Heterotermes indicola* (Wasmann) in Pakistan. *Sociobiology* 2008; 51(3): 749-64. [Impact factor; 0.557]

2007

20. **SHEIKH N.**, Dudas J. and Ramadori G. Changes of gene-expression of iron regulatory proteins during turpentine oil induced acute-phase-response in the rat. *Lab. Invest Dev.* 2007; July 87(7): 713-25. [Impact factor; 4.479]
21. **SHEIKH N.**, Christiansen H., Saile B., Reuter F., Rave-Fränk M., Hermann R. M. Dudas J., Hille A., Hess C. F. and Ramadori G. γ -radiation leads to up-regulation of hepcidin and to down-regulation of hemojuvelin and ferroportin-1 gene expression in rat liver. *Radiology* 2007; 242(1):189-197. [Impact factor; 5.251]

2006

22. **SHEIKH N.**, Batusic D.S., Dudas J., Tron K., Neubauer K., Saile B. and Ramadori G. Hepcidin and Hemojuvelin gene-expression in rat liver damage; *in vivo* and *in vitro* studies. *Am. J Physiol Gastrointest. Liver Physiol Dev.* 2006 Sept; 291(3): G482-90. [Impact factor; 3.681]
23. **SHEIKH N.** Tron K., Dudas J. and Ramadori G. Cytokine induced neutrophil chemoattractant-1 is released by the noninjured liver in a rat acute-phase model. *Lb Invest Dev.* 2006 Aug; 86(8): 800-14. [Impact factor; 4.453]

2005

24. **SHEIKH N.** Bano A. S. and Akhtar M. S. Morphometric analysis of population samples of *Microtermes mycophagus* (Desneux) from Pakistan. *Punjab Uni. J Zool.* 2005; 20(2): 181-190.

2002

25. **Sheikh N.** and Akhtar M.S. Tunneling ability of *Heterotermes indicola* (Wasmann) to biflex and termidor through termicide treated soil. *Punjab Uni. J Zool.* 2002; 17: 134-8.

2001

26. Akhtar M.S. and **Sheikh N.** Responses of *Heterotermes indicola* (Wasmann) to biflex and termidor. *Punjab Uni. J Zool.* 2001; 16: 27-36.

Papers submitted/under review [9]

2010 Under review

1. Moriconi F., Raddatz D., **SHEIKH N.**, Dudas J. and Ramadori G. Hepcidin and iron-related gene expression in vitro mitogen stimulated human peripheral blood leukocytes. [Under revision].
2. **Sheikh N.**, Fayyaz Z., Anjum H. and Ashraf S. A study of hematological parameters in pre-dialysis renal failure patients from Lahore. [Submitted Turkish J Hematology]
3. **SHEIKH N.**, Abid R., Basher T. and Malik. I. A. Expression of low molecular weight proteins in leukemia patients. [WIJM].
4. **SHEIKH N.** and Javed S. Histological studies of the lung and liver tissues of pyrethroid exposed mice [submitted to BJZ].

Submitted

5. **SHEIKH N.**, Fayyaz Z., Waheed A. and Ashraf S. Expression of low Molecular weight proteins in the renal failure patients [In preparation].

6. **SHEIKH N.** and Masood M. Hematological studies of the pre-treatment and post-treatment breast cancer patients. [In preparation].
7. **SHEIKH N.**, Anjum H. and Fayyaz Z. An interrelation of renal failure, iron and hepatic aminotransferases along with changes in the serum proteins in renal failure patients from Karachi. [In preparation].
8. **SHEIKH N.** and Masood M. Comparative study of pre-treatment and post treatment protein profile in breast cancer patients. [In preparation].
9. **SHEIKH N.** Efficacy of termidor, tenekil and terminus on *Microtermes obesi* [In preparation].

Abstracts

1. Abbas A.S. and **SHEIKH N.** Changes in the hematology, serum electrolytes and liver histology in diet induced obese rats. Presented at 27th year GASL Regensburg Germany 28-29 January 2011. Z Gastroenterol 2011; 49 DOI: 10.1055/s-0030-1269518 [**Impact factor 1.026**]
2. **SHEIKH N.**, Naz N., Malik I.A. and Ramadori G. Expression of Transferrin, Transferrin Receptor2 and Hephaestin genes in the models of liver injury. Presented at 27th year GASL Regensburg Germany 28-29 January 2011. Z Gastroenterol 2011; 49 DOI: 10.1055/s-0030-1269600 [**Impact factor 1.026**].
3. Abbas A. S. and **SHEIKH N.** Gender Based Changes in the Serum Biochemistry of the Weaning Rats due to Diet Composition 21st Conference of the Asian Pacific Association for the Study of the Liver, APASL 2011, will take place in Bangkok, Thailand, February 17-20, 2011. 5(1); 179 *Hepatology International*. [**Impact factor 1.725**]
4. **SHEIKH N.**, Malik I.A. Naz N. and Ramadori G. Expression of iron regulatory genes in CCl₄ induced and partially hepatectomized liver injury models. 21st Conference of the Asian Pacific Association for the Study of the Liver, APASL 2011, will take place in Bangkok, Thailand, February 17-20, 2011. 5(1), 56, *Hepatology International* [**Impact factor 1.725**]
5. Sheikh N., Abid R., Qureshi A.W., Malik I.A., Basheer T. Study of expression of low molecular weight proteins in different age groups of leukemia patients. *J Physiol Sci.* 59 (S1); 439. 2009 [**Impact factor 0.973**]
(In the Proceedings of the XXXVI International Congress of Physiological Sciences (IUPS2009) The Journal of Physiological Sciences held in Kyoto Japan July 27th-August 01 2009).
6. Sheikh N. and Javed S. Histological study of the liver and lung tissues of pyrethroid exposed mice. Z. Gastroenterol 47 (2009) DOI: 10.1055/s-0029-1191846 [**Impact factor 1.026**]
7. Martius G., Malik I., Dudas J., **Sheikh N.**, Rave-Frank M., Christiansen H., Ramadori G. and Hess C.F. The effect of gamma radiation on the expression of genes involved in fat metabolism in rat liver. Falk Workshop (2009). 30.
8. Malik. I., Moriconi F., Sheikh N., Ahmed G., Dudas J., Hess, C.F., Rave-Frank, M. Christiansen H. and Ramadori G. Effect of gamma radiation on gene expression of MIP-2 and its receptor in rat liver. Falk Workshop (2009) 23.
9. Manzoor F., **Sheikh N.** and Tahir S. N. A. Repellency, toxicity and tunneling activity of *Coptotermes heimi* (Wasmann) (Isoptera: Rhinotermitidae) in response to Biflex, Termidor and Tenekil. (2008) ICE Durbin South Africa.
10. Moriconi F., Christiansen H., **Sheikh N.**, Dudas J., Hermann RM., Hermann RM., Rave-Frank M., Raddatz D., Saile B., Hess CF., Hess CF., Ramadori G. Effect of X- irradiation on gene expression of rat liver chemokines: in vivo and in vitro studies. *Z. Gastroenterol. Dev.* 46: (2008) [**Impact factor; 1.026**]
11. **Sheikh N.**, Anjum H., Fayyaz Z. and Qureshi A.W. Serum Iron, Aminotransferases, Protein

Analysis and Haematological Studies in Renal Failure Patients. (Oral presentation). 9th Biennial conference of Pakistan society of Biochemistry and Molecular Biology (PSBMB) conference Rawalpindi Dec. 17th-20th 2008.

12. **Sheikh N.** Naz N and Fayyaz Z. Hematological Changes, Serum Iron and Protein Levels in the Steel Industry Workers. 9th Biennial conference of Pakistan society of Biochemistry and Molecular Biology (PSBMB) conference Rawalpindi Dec. 17th-20th 2008.
13. Moriconi F., Neubauer-Saile K., **Sheikh N.**, Dudas J., Ramadori G., The Kupffer cells and the intrahepatic iron-metabolism pathway. *Z. Gastroenterol. Dev.* 45, (2007). [**Impact factor; 1.026**]
14. **Sheikh N.**, Tron K., Dudas J. and Ramadori G.: Cytokine-induced neutrophil chemoattractant-1 (CINC-1) is released by the non-injured liver in a rat acute-phase model. *Z. Gastroenterol. Dev.* 44; 792 (2006). [**Impact factor; 1.293**]
15. **Sheikh N.**, Tron k., Dudas J., Saile B., Batusic D. and Ramadori G.: "Hepcidin and hemojuvelin gene expression in rat liver damage: in vivo and in vitro studies" *J. Hepatol. Dev.* 44(2): S81-82 (2006). [**Impact factor; 6.073**]
16. **Sheikh N.**, Tron K. and Ramadori G.: Heat Shock proteins: come to rescue during acute phase response (APR). *Z. Gastroenterol. Dev.* 44: (2006). [**Impact factor; 1.293**]
17. **Sheikh N.**, Tron K., Dudas J. and Ramadori G. HO-1 gene expression in extrahepatic organs of rats in response to turpentine oil induced APR. Poster presented in HO conference 2005, the fourth international congress from October 6-9, 2005, Boston, USA.
18. **Sheikh N.**, Christiansen H., Tron K., Dudas J., Saile B., Hess C. F. and Ramadori G. Hepcidin: Regulation in different animal models. *Z. Gastroenterol. Dev.* 43: 860 (2005). [**Impact factor; 0.800**]

Professional Membership

- The American Physiological Society (APS), USA.
- Biophysical Society Bethesda, USA.
- Khwarizmi Science Society, Pakistan.
- Pakistan Society for the Biochemistry and Molecular Biology.
- Canadian Society for the study of Liver (CASL), Canada.
- The American Electrophoresis Society, USA.
- The Systematics Association London, United Kingdom.
- Zoological Society of Pakistan.
- Pakistan Fisheries Society.
- Pakistan Entomological Society.

Conferences/Workshops attended

International

- 21st Conference of the Asian Pacific Association for the Study of the Liver, APASL 2011, will take place in Bangkok, Thailand, February 17-20, 2011.
- 27th Jahrestagung der Deutschen Arbeits-gemeinschaften zum Studium der Leber, January 28-29, 2011,

University Klinikum, Heidelberg, Germany.Germany (Poster presentation).

- Falk research workshop, Translational Research in Chronic Liver Diseases, January 27-28, 2011, University Klinikum, Regensburg,, Germany.
- 25th Jahrestgaung der Deutschen Arbeits-gemeinschafte zum Studium der Leber, January 30-31, 2009, University Klinikum, Heidelberg, Germany.Germany (Poster presentation).
- Falk research workshop, Translational Research in Chronic Liver Diseases, January 29-30, 2009, University Klinikum, Heidelberg, Germany.
- 23rd Jahrestgaung der Deutschen Arbeits-gemeinschafte zum Studium der Leber, January 26-27, 2007, University Klinikum, Georg-August University, Göttingen, Germany.
- Falk research workshop, Morphogenesis and Cancerogenesis of the liver, January 25-26, 2007, University Klinikum, Georg-August University, Göttingen, Germany.
- 61 Jahrestagung der Deutschen Gesellschaft für Verdauungs- und Stoffwechselkrankheiten from September 13-16, 2006, Hannover, Germany (Poster presentation).
- 41st Annual meeting of "The European association for the study of the liver" April 26-30, 2006, Vienna, Austria (Poster presentation).
- 22rd Jahrestgaung der Deutschen Arbeits-gemeinschafte zum Studium der Leber, January 20-21, 2006, University Klinikum, Georg-August University, Leipzig, Germany.
- Falk Research Workshop Liver Regeneration, Stem Cells and Transdifferentiation. January 19-20, 2006. Laipzig, Germany.
- HO conference 2005, the fourth international congress from October 6-9, 2005, Boston, USA (Poster presentation).
- 60 Jahrestagung der Deutschen Gesellschaft für Verdauungs- und Stoffwechselkrankheiten from September 14-17, 2005, Köln Germany (Poster presentation).
- 2nd International symposium on new technologies for environmental monitoring and agro-application held under the auspices of Trakia university (Agriculture campus) Takirdag, Turkey on October 18- 20, 2000.
- Regional QPCR user-group meeting at Tierärztliche Hochschule, Institute für Parasitologie, Tuesday, November 09, 2004, Bünteweg 17, Gebäude 2173, OG Seminar Room, Hannover.
- Modern Techniques in Biotechnology, March 2-7, 2003 at NIBGE Faisalabad, Pakistan.
- Orientation Program, August 12-23, 2002, Human resource development center, university of the Punjab, Lahore, Pakistan.
- Information technology workshop (SPSS), August 13 to September 3, 2002, Human resource development center, University of the Punjab, Lahore, Pakistan.
- Latest development in Molecular Biology and Biotechnology, October 8-13, 2001, UGC regional center, Lahore.
- British council English language training program, July 31- October 12, 1995.

National

- "5-day international workshop on "Separation Science and the Omics" from April 6-10" 2009 held in School of Biological Sciences, University of the Punjab, Lahore.
- One day symposium on "Insect Genomics: Applications and potential for pest control" held in NIBGE

Faisalabad on March 25, 2009.

- 7th International Conference "Trends in Biochemistry and Molecular Biology" held from April 2-5, 2003 at Institute of Biochemistry and Biotechnology, University of the Punjab Lahore.
- 21st Pakistan congress of zoology held under the auspices of zoological society of Pakistan at agriculture university Faisalabad on March 15-17, 2001 and received Dr. Muzzafar Ahmad Gold Medal on securing first position in M.Sc (Zoology) exam.
- 20th Pakistan congress of zoology held under the auspices of zoological society of Pakistan at Jamshoro (Sind University) on March 28-30, 2000 and presented a research paper entitled "Tunneling ability of subterranean termites through termiticide treated soil" (Oral presentation)
- 19th Pakistan congress of zoology held under the auspices of zoological society of Pakistan at NARC Islamabad on April 19-21, 1999 and presented a research paper entitled "responses of *Heterotermes indicola* (Wasmann) to biflex and temidor" (Oral presentation).
- 18th Pakistan Congress of Zoology held under the auspices of zoological society of Pakistan at Department of Zoology, University of the Punjab Lahore on April 20-22 1998.

Lecture/ Symposia attended

- 19th Annual summer course Current techniques in Molecular Genetics 2009, Center for the study of IBD, Massachusetts General Hospital, Boston USA, July 14-24, 2009.
- 1st Symposium of the Göttingen Proteomics Forum, November 23, 2006, Max-Planck-Institute of Experimental Medicine, Göttingen.
- Colloquium "Molecular changes during hepatic ischemia/reperfusion injury" by Dr. Pierluigi Ramadori, Laboratory of Experimental Liver pathology, Department of Clinical and Biological Sciences, University of Turin, Germany, June 29, 2006, Meeting room Department of Internal Medicine, University Hospital, Robert Koch Str. 40 Göttingen.
- Immunregulation in the liver by Professor Dr. A. W. Lohse of University of Hamburg on May 04, 2006, Hörsaal 55, Klinikum, Robert Koch str.40, Göttingen.
- Leberfibrose und Fibrolyse - Welche Bedeutung haben Matrix Metalloproteinasen und ihre spezifischen Inhibitoren? By Prof. Dr. Elke Roeb, Zentrum für Innere Medizin, Universität Gießen: Thursday, March 09, 2006, Lecture Hall 55, Klinikum Robert Koch Str. 40 Göttingen.
- Deregulation of the methylation machinery in transgenic mouse models of liver cancer, February 10, 2006 Hörsaal 04, Klinikum, Robert Koch Str. 40 Göttingen.
- Co-expression of c-Myc and E2F1 suppresses apoptosis in a mouse model of liver cancer: Relevance to human hepatocellular carcinoma, February 09, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
- Unrestrained activation of Ras and Jak/Stat pathways in human HCC due to epigenetic silencing of Ras and Jak/Stat inhibitors, February 08, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
- Molecular pathogenesis of human hepatocellular carcinoma: Mechanisms and prognostic significance of aberrant methylation, February 07, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
- The role of the Foxa transcription factors during development and disease in mice: an overview, February 02, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
- Nephrologisch-Nierenphysiologisches Colloquium July 06, 2005, by Dr. G. Gabriels, Münster,

Natrium-Transport nach experimenteller Nierentransplantation, Konferenzraum Innere Medizin, Bettenhaus 2, Ebene 3, Klinikum, Robert Koch Str. 40, 37075 Göttingen.

- Annual workshop of Postgraduate Program 335 and presented a talk about "*In vivo* and *in vitro* regulation of heme-oxygenase gene" July 01-02, 2005, Eichsfelder Hütte St. Andreasberg, Germany.
- A symposium organized by Sonderforschungsbereich 402 Molekulare und Zelluläre Hepatogastroenterologie on Inflammation, Tissue Damage, Regeneration and Tumor Development in the Gastrointestinal Tract on April 15-16, 2005 at MPI für experimentelle Medizin, Georg-August University Göttingen.
- Colloquium "Interferon-g acts pro-apoptotic on hepatic stellate cells (HSC) and abrogates the antiapoptotic effect of Interferon-a by an HSP70 dependant pathway" by Dr. Bernhard Saile, 16 Thursday, March 10, 2005, Klinikum, Robert Koch Str. 40, Göttingen.
- Colloquium "Hepatitis B virus budding" by PD Dr. Volker Bruß on Thursday, February 17, 2005, Klinikum, Robert Koch Str. 40 Göttingen.
- Colloquium " Pathogenic mechanisms in membranous nephropathy" by Prof Dr. Pierre Ronco of Inserm U 489, Tenon Hospital Paris on December 01. 2004, in Konferenzraum 1, Bettenhaus 1, Klinikum Robert Koch Str. 40 Göttingen.
- Colloquium "Regulation of glucagon gene transcription by Pax6" by Prof. Knepel, on November 11, 2004, in University Klinikum Göttingen.
- Colloquium "Coordinated regulation of gene activation of Xenobiotic-processing enzyme transporter systems in hepatocytes by endogenous factors and modulators of the phenobarbital-type" by Dr. K. Hirsch-Ernst on October 28, 2004 in University Klinikum Göttingen.
- Colloquium "Chronische Virushepatitis: Modelle und antivirale Strategien" by Prof. Dr. Fritz von Weizsäcker on July 22, 2004 in Universitäts Klinikum Göttingen Germany
- Colloquium "Regulation des Hypoxie-induzierbaren Faktors (HIF-1) durch die Entzündungsmediatoren TNF alpha und NO" by Prof. Dr. B. Brüne, on June 24, 2004, in University Klinikum Göttingen.
- Annual workshop of Postgraduate Program 335 and presented a talk about "Effect of interferon-alpha and gamma on the expression of Heme-oxygenase-1 gene in Hepatocytes and Liver macrophages" June 18 - 19, 2004, Eichsfelder Hütte St. Andreasberg, Germany.
- Colloquium "Perpetuated cell activation - Role of RAGE" by Prof. Dr. Peter Nawroth on June 10, 2004, in University Klinikum Göttingen.
- Colloquium "Novel aspects of hepatitis C virus RNA replication" by Prof. Dr. Ralf Bartenschlager on May 12, 2004 in University Klinikum Göttingen.
- Colloquium "Cytokine gene transfer with viral vectors: Effects on hepatitis B and C viruses" by PD Dr. Ulrike Protzer on April 22, 2004 in University Klinikum Göttingen.
- German language course SS2004, WS2004/2005, SS2005, WS2005/2006 in Lektorat Deutsch als Fremdsprache, Georg-August University, Käte-Hamburger-Weg-6, 37073 Göttingen.

Languages

- English
- Urdu
- Punjabi

- German

Administrative experience

- Deputy Director R&D, University of the Punjab, Lahore, Pakistan.
- Member managing board Graduate college GRK 335, Postgraduate Program Cellular, Molecular and Clinical Biology of Internal Organs, Georg-August-University, Göttingen 37075, Germany.
- IT Coordinator Department of Zoology. (12-2008 - 06-2009) □
Member Board of Faculty of Life Sciences (06-2007 - to date)
- Member Board of Studies in Zoology (2001-2004, 2007- to date).
- Member Board of Studies in Zoology Kinnaird College for Women Lahore (2008).
- Member Ph.D. admission committee 2008.
- Member Admission Committee for M.Sc. 2001, 02, 03, 07. □
Member Admission Committee for B.Sc. (Hons.) 2002, 07, 08.
- Member Departmental Disciplinary Committee (2003).
- Member Examination Committee for B.Sc. (Hons.), M.Sc. and Ph.D.
- Member Maintenance committee.
- Member Purchase Committee.
- External examiner M.Sc. Baha-ud-Din Zakria University Multan, Pakistan (2007).
- Examiner for B.Sc., M.Sc. Practical Examination.

Countries visited

- Austria, Germany, Netherlands, Oman, Qatar, Turkey, United Arab Emirates, United Kingdom, United States of America

Thesis Supervised

Ph.D. [02]

Ongoing

- Amna Nadeem. HEC awardee (Research work in progress).
- Afshan Syed Abbas HEC awardee (Research work in progress).

M. Phil/M.S. [03]

- Mariam Iqbal. 2008-09. *Changes of serum proteins, hematology and liver histology in water deprived rats.*
- Hina Anjum. 2007-08. Serum iron and aminotransferase levels associated with renal failure and electrophoretic study of serum proteins in renal failure patients from Karachi.
- Zunera Fayyaz. 2007-08. Changes in the serum iron levels and protein profiles in pre-dialysis renal failure patients.

M.Sc. [03]

- Saira Javed 2007-08. Histological study of the lung and liver tissues of pyrethroid exposed mice.
- Rizwan Butt, 2002-03, Comparison of efficacy of Tenekil, Termidor and Terminus against

Heterotermes indicola (Wasmann).

- Arjumand Shah Bano, 2001-02, Morphometric analysis of population samples of *Microtermes mycophagus* (Desneux) from Pakistan.

B.S. [04]

- Naila Naz. 2007-08. Hematological and serum protein studies in steel furnace workers.
- Rabia Abid. 2007-08. Hematological and molecular study of Pre-treatment leukemia patients.
- Maria Masood. 2007-08. Hematological and molecular study of Pre-treatment and post- treatment breast cancer patients.
- Sara Irfan 2002-03, Repellent and toxic effects of *Nerium oleander* to *Coptotermes heimi*.

Workshops/Seminars organized

- "Mass Spectrometry: Recent trends and applications in Proteomics" by Dr. A. R. Asif from Georg-August-University Göttingen, Germany in Department of Zoology, University of the Punjab, Lahore, Pakistan.
- Second annual workshop of Postgraduate Program 335 on July 01-02, 2005, held in Eichsfelder Hütte St. Andreasberg, Germany.

References

- Prof. Dr. med. Dr. h.c. Giuliano Ramadori
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