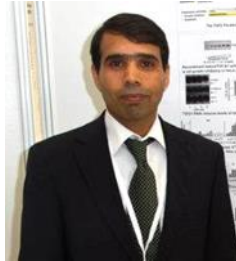


# Curriculum Vitae

Dr. Afzal M. Dogar

SCHWANDENHOLZSTRASSE 24 • CH-8052 ZÜRICH, SWITZERLAND  
PHONE: +41-(0)76-4355108 • +41-(0)43-5355108  
E-mail: afzalm.dogar@pharma.ethz.ch • AFZALDOGAR2000@YAHOO.COM



## CURRENT POSITION

---

June 2007– present

### **Senior Research Scientist at ETH Zürich**

Institute of Pharmaceutical Sciences (IPW)

Vladimir-Prelog-Weg 1-5/10, 8093 Zuerich

Phone: +41 44 633 74 15

Fax: +41 44 633 13 69

## EDUCATION

---

PhD thesis with Dr. Lukas C. Kühn. June 2003 – May 2007

### **Swiss Institute for Experimental Cancer Research (ISREC) Lausanne, Switzerland**

Thesis Title: Role of AUF1 in AU-rich mRNA decay.

Practicum with Dr. Thomas Hohn. April 2002 – May 2003

### **Friedrich Miescher Institute for Biomedical Research (FMI) Basel, Switzerland**

Work Title: RNAi strategies against Cassava mosaic geminivirus.

M.Phil Biotechnology with Dr. Yusuf Zafar. January 2000 – February 2002

### **National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad and Quaid-i-Azam University (QAU) Islamabad, Pakistan**

Thesis Title: Engineering resistance against tomato leaf curl geminivirus.

B.Sc (Hons) Agriculture. August 1995 – December 1999

### **University of Agriculture Faisalabad (UAF), Pakistan**

Major: Plant Breeding and Genetics.

## PUBLICATIONS

---

- ❑ **Dogar AM**, Semplicio G, Guennewig B, Hall J. Multiple MicroRNAs Derived from Chemically Synthesized Precursors Regulate Thrombospondin 1 Expression. **Nucleic Acid Ther**: 2014 Jan 20.
- ❑ Guennewig B, Roos M, **Dogar AM**, Gebert LF, Zagalak JA, Vongrad V, Metzner KJ, Hall J (2014). Synthetic pre-microRNAs reveal dual-strand activity of miR-34a on TNF- $\alpha$ . **RNA**: 20(1):61-75.
- ❑ Barman-Aksözen J, Béguin C, **Dogar AM**, Schneider-Yin X, Minder EI (2013). Iron availability modulates aberrant splicing of ferrochelatase through the iron- and 2-oxoglutarate dependent dioxygenase Jmjd6 and U2AF (65.). **Blood Cells Mol Dis**: 51(3):151-61.
- ❑ Guennewig B, Stoltz M, Menzi M, **Dogar AM**, Hall J (2012). Properties of N(4)-methylated cytidines in miRNA mimics. **Nucleic Acid Ther**: 22(2):109-16.
- ❑ **Dogar AM**, Towbin H. Hall J (2011). Suppression of latent transforming growth factor (TGF)-beta1 restores growth inhibitory TGF-beta signaling through microRNAs. **J Biol Chem**: 286(18):16447-58.
- ❑ **Dogar AM**, Paschoud S. *et. al.* (2006). Destabilization of interleukin-6 mRNA requires a putative RNA stem-loop structure, an AU-rich element and the RNA-binding protein AUF1. **Mol. Cell. Biol**: 26: 8228-8241.
- ❑ **Dogar AM**, (2006). RNAi dependent epigenetic marks on a geminivirus promoter. **Virology J**: 3; 5

## CONFERENCES, COURSES AND TEACHING EXPERIENCES

---

- |             |  |
|-------------|--|
| Conferences | <ul style="list-style-type: none"><li>❑ Swiss RNA Workshop 2014- Universität Bern, UniS, Switzerland. <u>Oral presentation</u>. Title: Involvement of RBFOX2 in the processing of select pre-microRNAs.</li><li>❑ The 18th Annual Meeting of the RNA Society 2013- Congress Center Davos, Switzerland. <u>Poster presentation</u>. Title: Interactions between RBFOX2 and pre-microRNA-20b terminal loop.</li><li>❑ MipTec 2011- Basel, Switzerland. <u>Poster presentation</u>. Title: A role for microRNAs in a new mechanism of resistance to TGF-<math>\beta</math> induced growth inhibition. Awarded with Third Poster Prize.</li><li>❑ RNAi &amp; miRNA, Epigenetics and qPCR Europe 2011-Munich, Germany. <u>Oral presentation</u>. Title: A Role for microRNAs in a New Mechanism of Resistance to TGF-<math>\beta</math>1 Induced Growth Inhibition.</li><li>❑ Keystone Symposia on Deregulation of Transcription in Cancer: Controlling Cell Fate Decisions E2- 2009 - INEC-Ireland's National Events &amp; Conference Centre - Killarney, Co. Kerry, Ireland. <u>Poster presentation</u>. Title: A Role of AUF1 in AU-rich IL6 mRNA decay.</li><li>❑ siRNA Workshop 2003 – Europe Hotel, Basel, Switzerland. <u>Oral presentation</u>. Title: RNAi mediated transcriptional silencing of a geminivirus promoter.</li></ul> |
| Courses     | <ul style="list-style-type: none"><li>❑ Introductory course 2004 “Laboratory Animal Science” at Universität Zürich Institut für Labortikunde, Zürich, Switzerland.</li><li>❑ Post-graduate course 2005 “Stem Cell Biology” at Ludwig</li></ul>   |

Institute for Cancer Research, Lausanne, Switzerland.

- Post-graduate course 2006 "Microarray data analysis" at EPFL, Lausanne, Switzerland.
  
- Teaching
  - Supervised four Master Thesis students at ETH Zürich Institute of Pharmaceutical Sciences, Zürich, Switzerland.
  - Teaching RNA Biology Block Course (BKK) to students from various Swiss Universities since 2010 at ETH Zürich, Switzerland.

## PROFESSIONAL REFEREES

---

- Prof. Jonathan Hall  
ETH Zürich- Institute of Pharmaceutical Sciences  
HCI H437  
Wolfgang-Pauli-Str. 10 CH-8092 Zurich, Switzerland  
Tel: +41 44 633 74 35  
Fax: +41 44 633 13 69  
E-mail: [jonathan.hall@pharma.ethz.ch](mailto:jonathan.hall@pharma.ethz.ch)
  
- Dr. Lukas C. Kühn  
EPFL SV ISREC GR-KUHN,  
SV 2516 (Bâtiment SV) Station 19, CH-1015 Lausanne, Switzerland.  
Tel: +4121 693 0746  
Email: [lukas.kuehn@epfl.ch](mailto:lukas.kuehn@epfl.ch)
  
- Dr. Yusuf Zafar  
Minister (Technical)  
Permanent Mission of Pakistan to the IAEA  
Hofzeile 13, A-1190 Vienna - Austria  
Tel: 0043-1-3692404 (DL) ; 0043-1-3687381  
Fax: 043-1-3671831  
Email: [y\\_zafar@yahoo.com](mailto:y_zafar@yahoo.com)

Zürich, 13. Februar 2014

Afzal M. Dogar