

RAGHAV CHAWLA, MD, PHD

UW Genome Sciences, South Foege Building, Room S333, 3720 15th Ave NE, Seattle, WA 98195, USA

EDUCATION

- 2011** **PhD**, ETH Zürich, Switzerland
2009 **MD**, University of Lausanne, Switzerland
2006 **Federal diploma of physician**, University of Lausanne, Switzerland

CERTIFICATES

- 2015** **Board certification in pediatrics**, Swiss Medical Association (FMH)
2007 **ECFMG certificate**, Educational Commission for Foreign Medical Graduates, USA

RESEARCH EXPERIENCE

- 2016-present** **Postdoctoral fellow, Laboratory of Cole Trapnell, PhD**
(1 month) **Department of Genome Sciences, University of Washington, Seattle, USA**
Project: Single-cell trajectory analysis in activated B-cell maturation
- 2008-2011** **PhD candidate, Laboratory of Claus Azzalin, PhD**
(40 months) **Institute of Biochemistry, ETH Zürich, Switzerland**
Project: Role of human UPF1 in telomere stability processes
- 2007-2008** **MD candidate, Laboratory of Andreas Trumpp, PhD**
(12 months) **Swiss Institute for Experimental Cancer Research (ISREC), EPF Lausanne, Switzerland**
Project: Functional analysis of different hematopoietic stem cell subsets
- 2005** **Undergraduate student, Laboratory of Ivan Stamenkovic, MD**
(4 months) **Institute of Pathology, University of Lausanne, Switzerland**
Project: Preliminary identification of factors involved in the formation of branching colonies by breast cancer cells grown on matrigel

CLINICAL EXPERIENCE

- 2014-present** **Fellowship in pediatric hematology/oncology**
(19 months) Seattle Children's Hospital, University of Washington & Fred Hutchinson Cancer Research Center
- 2011-2014** **Residency in pediatrics**
(36 months) Children's Hospital, University of Zürich, Switzerland
- 2003-2005** **Notable internships during medical school:**
- Pediatrics, Sainte-Justine Hospital, University of Montréal, Canada
 - Internal Medicine & General Surgery, John Radcliffe Hospital, University of Oxford, UK
 - Medical Journalism, British Medical Journal, London, UK

OTHER WORK EXPERIENCE

- 2009-2013** **Flutist**, Swiss Army Concert Band, Switzerland
- 2006-2007** **First aid & basic life support instructor**, Firstmed, Geneva, Switzerland
- 2005-2007** **Freelance writer & adviser**, British Medical Journal, London, UK
- 2002-2003** **Teaching assistant**, Institute of Physiology, University of Lausanne, Switzerland

PUBLICATIONS

- Scientific:**
- Chawla R, Redon S, Raftopoulou C, Wischniewski H, Gagos S, Azzalin CM. Human UPF1 interacts with TPP1 and telomerase and sustains telomere leading-strand replication. *EMBO J* **2011**; 30: 4047-58.
 - Nergadze SG, Farnung BO, Wischniewski H, Khoriauli L, Vitelli V, Chawla R, Giulotto E, Azzalin CM. CpG-island promoters drive transcription of human telomeres. *RNA* **2009**; 15: 2186-94.
 - Chawla R & Azzalin CM. The telomeric transcriptome and SMG proteins at the crossroads. *Cytogenet Genome Res* **2008**; 122: 194-201.
- Journalistic:**
- Chawla R. EXIT – le droit de mourir. *BMJ* **2005**; 331: 702.
 - Chawla R. Junk DNA. *Student BMJ* **2005**; 13: 192-3.
 - Chawla R. Erectile dysfunction may be an early sign of heart disease, suggests new research. *BMJ* **2004**; 329: 1366.
 - Chawla R. Regular drinking might explain the French paradox. *BMJ* **2004**; 329: 1308.
 - Chawla R. Women are increasingly affected by AIDS epidemic, report shows. *BMJ* **2004**; 329: 1257.
 - Chawla R. Risk factors for death in infancy persist into older age groups in England and Wales. *BMJ* **2004**; 329: 1204.

AWARDS & SCHOLARSHIPS

- **Talent prize**, Swiss Society of Pediatrics (2012; 5,000 CHF)
- **Travel grant**, Albert Barth-Fonds & Swiss Studies Foundation (2010)
- **MD-PhD scholarship**, Swiss National Science Foundation (2007-2010; 150,000 CHF)
- **Clegg scholarship** (internship in medical journalism), British Medical Journal, London, UK (2004)
- **Erasmus/Socrates scholarship** (exchange year in Manchester, UK), University of Lausanne, Switzerland (2003)

ABSTRACTS

- **Annual Meeting of the Swiss Society of Pediatrics**, Geneva, Switzerland (2013, clinical poster)
- **CSHL meeting on Telomeres & Telomerase**, Cold Spring Harbor, USA (2011, research poster)
- **EMBO conference on Telomeres & the DNA Damage Response**, Marseille, France (2010, research poster)
- **ASCI/AAP Joint Meeting**, Chicago, USA (2010, research poster)

OTHER MEETINGS

- **European Novartis Biotechnology Leadership Camp**, Basel, Switzerland (2009, *selected from numerous applicants*)
- **Nobel Laureate Meeting**, Lindau, Germany (2007, *selected from numerous applicants*)

PROFESSIONAL MEMBERSHIPS

- **American Society of Clinical Oncology** (since 2015)
- **Swiss Society of Pediatrics** (since 2011)
- **American Physician Scientists Association** (since 2010)
- **Swiss Medical Association** (since 2010)
- **Swiss MD-PhD Association** (since 2007)

Past memberships: Swiss MD-PhD Program (2007-2011), Swiss Studies Foundation (2001-2010)

PERSONAL

Languages: English, German, French, Hindi

Hobbies: Endurance & mountaineering sports, flute, travel, journalism, photography