

CV

Sridhar Bulusu, MEng, BSc

PERSONAL DATA

Date of Birth: 19/12/1988

Place of Birth: Zurich,
Switzerland

Citizenship: Austrian

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EDUCATION

2013 – 2018 • UNIVERSITY OF VIENNA, AUSTRIA

Completed BSc Physics

2007 - 2012 • IMPERIAL COLLEGE LONDON, UNITED KINGDOM

Graduated in MEng Electrical and Electronic Engineering with
First Class Honors

1998 – 2007 • BRG PERCHTOLDSDORF, AUSTRIA

Matura in Mathematics, Physics, German and English with
“Ausgezeichneter Erfolg“

EXPERIENCE

1/2/2019 – TILL DATE • DEPARTMENT OF

OTORHINOLARYNGOLOGY, MEDICAL UNIVERSITY OF VIENNA

Fitting of mucosal wave model to clinical Kymograms using
MATLAB

**1/12/2015 – 1/9/2016 • FACULTY OF PHYSICS, UNIVERSITY OF
VIENNA**

Geometry of two qubit states, Cerf-Adami Operator as an
Entanglement Witness

**1/7/2013 – 1/1/2014 • MEDICAL UNIVERSITY OF VIENNA,
CENTRE FOR PHYSIOLOGY AND PHARMACOLOGY**

Numerical Simulation in MATLAB of Diffusion-processes in Patch-
Clamp configurations for ion channels

**1/1/2013 – 1/6/2013 • MEDICAL UNIVERSITY OF VIENNA,
CENTRE FOR PHYSIOLOGY AND PHARMACOLOGY**

Simulation in MATLAB of Markov Processes for ion channels

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1/8/2010 – 10/10/2010 • INSTITUTE OF BIOMEDICAL ENGINEERING, IMPERIAL COLLEGE LONDON

Programming PIC Microcontroller in C, MATLAB/PIC Interface via RS232, Design of MATLAB GUI

1/8/2009 – 1/9/2009 • INSTITUTE OF BIOMEDICAL ENGINEERING, IMPERIAL COLLEGE LONDON

Programming PIC Microcontrollers in C, programming 4DSYSTEMSOLEDDisplaysin 4DGL, RS232 Communication with PIC16F818, circuit design and PCB layout design with Cadence ORCAD

RESEARCH PUBLICATIONS

Extracting vocal Fold Parameters from videokymograms via simulation of clinically observed Data, Sridhar Bulusu, S. Pravin Kumar , Jan G. Svec, Philipp Aichinger, Maveba 2019 [Manuscript in preparation].

Poster: *Extracting vocal fold kinematic parameters from videokymograms via simulation of clinically observed data*, presented at MIC Festival – Digital Revolution in Medical Imaging, Medical University of Vienna, 6.6.2019.

Geometry of two-qubit states with negative conditional entropy, Friis N, Bulusu S, Bertlmann R. 2017 J. Phys. A: Math. Theor. 50 125301.

The conservative view: is it necessary to implant a stent into the dopamine transporter?
Schmid D, Koenig X, Bulusu S, Schicker K, Freissmuth M, SitteH, Sandtner W; British Journal of Pharmacology, 2015 Oct; 172(19): 4775–4778.