

# Nicole Nova | Curriculum Vitae

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## Academic Positions

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### DUKE UNIVERSITY

*Associate in Research*

Department of Biology, Koelle Research Group.

**Durham, NC**

2015 – present

### DANA-FARBER CANCER INSTITUTE / HARVARD SCHOOL OF PUBLIC HEALTH

*Research Trainee*

Department of Biostatistics and Computational Biology, Michor Lab.

**Boston, MA**

2014 – 2015

## Education

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### ROYAL INSTITUTE OF TECHNOLOGY (KTH)

*Electrical Engineering*

GPA 4.94/5.00

**Stockholm, Sweden**

2012 – 2013

### KAROLINSKA INSTITUTET

*D.D.S., M.Sc. in Dental Surgery*

- Thesis: *Chronic inflammation and pain: Assessment of c-Fos and ATF-3 as markers of spinal neuronal activity in a pain model of rheumatoid arthritis*
- Advisors: Per Alstergren, D.D.S., Ph.D. & Camilla Svensson, Ph.D.

**Stockholm, Sweden**

2007 – 2012

### INTERNATIONAL ENGLISH GYMNASIUM

*Diploma of Natural Sciences*

Extended curriculum by 300 credits (2800/2500): GPA 20.0/20.0 + honors 2.5/2.5

**Stockholm, Sweden**

2004 – 2007

## Research Experience

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### ROYAL INSTITUTE OF TECHNOLOGY (KTH)

*Robotics Programmer*

- Project: *Autonomous Robot Accomplishing Standstill Balance and Forward Motion Using Segway Technology*
- Supervisor: Dr. Cristian Rojas, Automatic Control Laboratory, School of Electrical Engineering.

**Stockholm, Sweden**

Spring 2013

### KAROLINSKA INSTITUTET

*Research Program in Medical Sciences*

- Project: *Assessment of c-fos as a marker of spinal neuronal activity in a pain model of rheumatoid arthritis*
- Supervisor: Dr. Camilla Svensson, Department of Physiology and Pharmacology.

**Stockholm, Sweden**

Summer 2010

**AUSTRALIAN NATIONAL UNIVERSITY (ANU)***National Youth Science Forum (NYSF)*Recipient of a scholarship to attend an international science camp, sponsored by the *Australian Rotary Club*.**Canberra, Australia***Summer 2008***MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)***Research Science Institute (RSI)*

Recipient of a scholarship to attend a summer research program for high school students, held at MIT and organized by the Center for Excellence in Education (CEE).

- Project: *What does performance on one visual search task tell you about performance on another?*
- Supervisor: Dr. Jeremy Wolfe, Department of Brain and Cognitive Sciences, Harvard Medical School / Brigham and Women's Hospital.

**Cambridge, MA***Summer 2007***KAROLINSKA INSTITUTET***Research Program in Biomedical Sciences*

- Project: *Activation of Liver X Receptor affects the function and differentiation of osteoclasts*
- Supervisor: Dr. Kirsten Robertson, Department of Biosciences and Nutrition.

**Stockholm, Sweden***Summer 2006*

## Publications

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Van Wert, M., Nova, N., Horowitz, T., Wolfe, J. (2008). What does performance on one visual search task tell you about performance on another? *Journal of Vision*, 8(6), 312. Vision Sciences Society, Naples, USA, May 2008.

## Work & Clinical Experience

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**Research Academy for Young Scientists (Rays)***Committee Member, Mentorship Director, Speaker*

Employment at a prestigious research program for high school students in Sweden.

**Strängnäs, Sweden***2011 – 2013***QUEEN MARY'S SCHOOL OF MEDICINE AND DENTISTRY***ERASMUS Exchange Studies in Dentistry***London, UK***Spring 2011***European Dental Students' Association (EDSA)***President, Co-Founder of EDSA Research Program***Dublin, Ireland***2010 – 2011***MEDICAL UNIVERSITY OF VIENNA***Surgical Assistant*

- Department of Cranio-, Maxillofacial and Oral Surgery, General Hospital (AKH)
- Supervisor: Prof. Dr. Dr. Rolf Ewers.

**Vienna, Austria***Summer 2010***Chiemsee Akademie & Maxillofacial Federation (MFF)***International Student Training Course in Dental Implantology***Munich, Germany***Fall 2010***Swedish Federation of Young Scientists (FUF)***Committee Member*

Member of the executive committee for the annual National Science Fair for senior high school students, in charge of lectures and event logistics.

**Stockholm, Sweden***2007 – 2009*

## Awards & Scholarships

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**2013:** Google Grant – *Women in Tech Conference and Travel Grant (EMEA)* to attend the EuroBSDcon 2013

Conference, Hilton Conference Center, St. Julian's, Malta.

**2011:** *ERASMUS Exchange Scholarship* – for university studies in Europe.

**2008:** *Australian Rotary Club Scholarship* – to attend National Youth Science Forum at ANU.

**2007:** Valedictorian – Best student of class 2007 at INTERNATIONAL ENGLISH GYMNASIUM.

**2007:** First Prize in the Swedish National Science Fair – *Knut and Alice Wallenbergs Scholarship* to attend a research program (RSI) at MIT.

## Teaching

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**Research Academy for Young Scientists (Rays)**

*Class in Scientific Paper Writing*

**Strängnäs, Sweden**

*Summer 2013*

## Computer Skills

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**Advanced:** PYTHON, HTML/CSS/JS, L<sup>A</sup>T<sub>E</sub>X, Linux, Gimp

**Intermediate:** MATLAB, C, C++, Bash, Mathematica, Prism, Blender, ImageJ

**Basic:** JAVA, R, DJANGO, NODE.JS, BSD

## Languages

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**Proficient:** Swedish, English, Czech, Polish

*Native Proficiency*

**Intermediate:** Spanish

*Conversational*

## MOOC-courses

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**MITx**

**2.03x**

*Dynamics, Prof. David Gossard*

*2013 edX*

Grade: A (94%)

**ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE**

**BIO465x**

*Neuronal Dynamics, Prof. Wulfram Gerstner*

*2013 edX*

Grade: A (92%)

**RICEx**

**PHYS102x**

*Electricity & Magnetism, Assoc. Prof. Jason Hafner*

*2013 edX*

Grade: A (94%)