

# Curriculum Vitae

**Name:** Nicole Nova

**DOB:** July 14, 1989

**Nationality:** Swedish

**Personal website:** [www.nicolenova.com](http://www.nicolenova.com)



## EDUCATION

**Royal Institute of Technology (KTH)**, Stockholm, Sweden.  
Enrolled in the Degree Program (BSc+MSc) in Electrical Engineering.

Fall 2012 – present

**Karolinska Institutet**, Stockholm, Sweden.  
Doctor of Dental Surgery (DDS). Master of Science in Dental Surgery (MSc).  
**Master's 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*

Fall 2007 – Spring 2012

**International English Gymnasium** (Lyceum), Stockholm, Sweden.  
Natural Science Program: GPA 20.0/20.0 (extra credits 2.5/2.5). Highest grade in all subjects, including the extended 300 credits (total 2800 credits out of 2500).  
**Honor:** Valedictorian of 2007 – best student of the year out of all programs.

Fall 2004 – Spring 2007

## RESEARCH EXPERIENCE

**Research Program in Medical Sciences**, Karolinska Institutet (KI), Sweden.  
Admitted to a summer research program for talented KI students.  
Mentor: Dr. Camilla Svensson, Department of Physiology and Pharmacology.  
Project title: *Assessment of c-fos as a marker of spinal neuronal activity in a pain model of rheumatoid arthritis*

June – Aug 2010

**Research Science Institute (RSI)**, Cambridge, USA.  
Participant of a six week summer research program for the top high school students worldwide, held at **Massachusetts Institute of Technology (MIT)** and organized by the *Center for Excellence in Education (CEE)*.  
Mentor: Dr. Jeremy Wolfe, Department of Brain and Cognitive Sciences, Harvard Medical School, Brigham and Women's Hospital.  
Project title: *What does performance on one visual search task tell you about performance on another?*

June – Aug 2007

**National Science Fair**, Stockholm, Sweden.  
Organized by the Swedish Federation of Young Scientists.  
Project title: *Activation of Liver X Receptor affects the function and differentiation of osteoclasts*  
**Award:** First Prize; the **Knut and Alice Wallenbergs Scholarship** to attend a research program at MIT (Research Science Institute).

Spring 2007

**Research Program in Biomedical Sciences**, Karolinska Institutet, Sweden.  
Participant of a six week summer research program for the top 20 high school students in the nation.  
Mentor: Dr. Kirsten Robertson, Department of Biosciences and Nutrition.  
Project title: *Activation of Liver X Receptor affects the function and differentiation of osteoclasts*

June – Aug 2006

## SKILLS

Written and spoken Swedish, English, Czech, Polish and Spanish.  
Python, MATLAB, Java, C (ROBOTC), HTML/JS/CSS, ActionScript, LaTeX.

## PROJECTS

*Autonomous Robot Accomplishing Standstill Balance and Forward Motion Using Segway Technology*, Royal Institute of Technology (KTH), Sweden.  
Worked in a team of five KTH students to deliver a functioning hardware/software prototype in less than four weeks.

Spring 2013

Building my own personal website using HTML, CSS and JavaScript. All files are on GitHub, and I launched it using GitHub Project Pages. [www.nicolenova.com](http://www.nicolenova.com)

July 2013

<b>PUBLICATIONS</b>	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), 312-312. Vision Sciences Society, Naples, USA, May 2008. Access: <a href="http://www.journalofvision.org/content/8/6/312">http://www.journalofvision.org/content/8/6/312</a>	
<b>LEADERSHIP EXPERIENCE</b>	<b><u>Research Academy for Young Scientists (Rays)</u></b> , Strängnäs, Sweden. Member of steering committee and director of mentorships for the summer research program. The fully sponsored four week program is entirely organized by university students and admits 18 top Swedish high school students to work on research projects at prestigious universities in Stockholm. <a href="http://www.raysforexcellence.se">www.raysforexcellence.se</a>	Fall 2011 – present
	<b><u>EDSA (European Dental Students' Association)</u></b> President and co-founder of the EDSA Research Program for European dental students to have a research internship in a different European country.	2010 – 2011
	<b><u>International Student Organisation</u></b> , Karolinska Institutet. Helped to organize accommodation for international students and school tours, working on new exchanges, and organizing social events.	2008 – 2011
	<b><u>SACO (Swedish Confederation of Professional Associations)</u></b> , Älvsjö, Sweden. Representative of the Karolinska Institutet Dental School at the annual National Exhibition of Universities in Sweden.	Fall 2008
	<b><u>Swedish Federation of Young Scientists</u></b> , Stockholm, Sweden. Member of the executive committee for the annual National Science Fair for senior high school students, in charge of lectures and event logistics.	Spring 2007 – Fall 2009
<b>EXTRA CLINICAL EXPERIENCE</b>	<b><u>Queen Mary's School of Medicine and Dentistry</u></b> , London, UK. Recipient of the <i>ERASMUS Exchange Scholarship</i> for dental studies.	Spring 2011
	<b><u>International Student Training Course in Dental Implantology</u></b> , Germany. In cooperation with the European Dental Students' Association (EDSA) and the Maxillofacial Federation (MFF), Chiemsee Akademie, Seebruck.	Sep 22 – 26 2010
	<b><u>IFMSA (International Federation of Medical Students' Association)</u></b> , Austria. Admitted to a four week medical program organized by the <i>Medical University of Vienna</i> for international students to shadow/assist physicians/surgeons at the General Hospital (AKH). Internship at the Department of Cranio-, Maxillofacial and Oral Surgery. Supervisor: Prof. Dr. Dr. Rolf Ewers.	July 2010