

David Sacks

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2 Yangshan Road, Chaoyang District, Beijing, 100107

I am a very hardworking and dedicated professional with a masters degree in biology and two years of research experience. I am devoted to my work responsibilities and duties and strive for excellence. I am a valued team member with exceptional interpersonal skills. I am committed to continuous personal improvement and personal and career fulfillment. I believe I quickly become an integral team member that is accountable and reliable. I am seeking work as a laboratory technician. I believe that I would successfully fill the role as the Associate Scientists II in Denver, Co. I have extensive laboratory experience and a very fast learner. I do not have US citizenship and will cover the cost of the H1-B visa.

Curriculum Vitae

Education History

- 2009 – 2010 Master of Science in Medicine (Virology). The University of the Witwatersrand (Johannesburg, South Africa) and the National Institute for Communicable Diseases AIDS Virus Research Unit (NICD). Thesis title: Development of a real-time PCR incorporating high resolution melting analysis to screen HIV-1 samples for resistance-related codons.
- 2008 B.Sc Honours in Genetics and Developmental Biology (72%). The University of the Witwatersrand School of Molecular and Cell Biology and the NICD.
- 2005 – 2007 B.Sc. and majored in Genetics and Developmental Biology (70%) and Human Biology (71%) at the University of the Witwatersrand Faculty of Science.
- 2005 Completed a Basic Ambulance Assistance course with distinction at the NetCare 911 School of Emergency and Critical Care.
- 2000 - 2004 Attended King David High School Victory Park, Johannesburg, South Africa. In 2004 I passed the Independent Examinations Board exams and obtained a Senior Certificate with distinction. English language school.

Work History

- 2013 – 2014 Teacher at the Beijing Limai Foreign Languages School in Beijing, China.
- 2010 – 2012 Visiting research fellow at the Harvard Medical School Beth Israel Deaconess Medical Center (Boston, USA). Project titles: (1) Interaction Between Rhesus TRIM5 α and Rhesus Lymphocryptovirus and (2) Intrinsic Immune Response to SIV Infection in Rhesus B-Lymphoblastoids.
- 2007 – 2008 High school mathematics, science, biology and geography tutor for Wanna Be a Genius, Bright-Sparkz and Students in Motion tutoring companies.
- 2004 – 2006 Volunteered over 100 hours of service in public and private hospitals in Johannesburg, South Africa. I worked with patients, nurses and doctors in various departments.

Notable Scientific Skills

I possess excellent verbal and written communication skills. I have experience with molecular and tissue culture laboratory techniques: DNA gel electrophoresis, protein immunoblot, flow cytometry, ELISA, PCR, real-time PCR, high resolution melting analysis, probe design, transformation and transfection, plasmid manipulation and isolation, cell counting, cell passage, infection assays, preparing virus stocks, cell staining, microscopy and scientific writing.

Academic Awards

- 2008 – 2012 Five annual Academic Excellence Awards from the University of the Witwatersrand.
- 2010 Prestigious MSc award from The University of the Witwatersrand Faculty of Health Sciences.
- 2010 Student prize in the HIV/AIDS category for my poster.
- 2009 – 2010 Two consecutive bursaries from the Poliomyelitis Research Foundation.
- 2006 Invited to join the Golden Key International Honour Society.
- 2005 Certificate of First Class for Mathematics.
- 2005 Academic Excellence Scholarship from the University of the Witwatersrand.
- 2005 Top student for the NetCare 911 School of Emergency and Critical Care Basic Ambulance Assistance course.

Academic and Work References

Name: Rosa Yuan
Position: Head of Foreign Languages Department at the Beijing Limai Foreign Languages School (Beijing China).
Contact details: 714292581@qq.com
Relationship: Supervisor.

Name: Dr. Shimontini Mitra
Position: Scientist at the Harvard Medical School (Boston, Massachusetts USA), Beth Israel Deaconess Medical Center (Boston, Massachusetts USA) Viral Pathogenesis Laboratory. My direct supervisor, Professor Norman Letvin, passed away in May 2012.
Contact details: shimmylives@googlegmail.com
Relationship: Colleague.

Name: Professor Lynn Morris
Position: Chief Specialist Scientist and head of the National Institute for Communicable Diseases AIDS Virus Research Unit.
Contact details: +27 11 386 6362; lynnm@nicd.ac.za
Relationship: BSc Honours and MSc project supervisor.

Name: Dr. Gillian Hunt
Position: Scientist at the National Institute for Communicable Diseases AIDS Virus Research Unit.
Contact details: +27 11 386 6362; gillianh@nicd.ac.za
Relationship: BSc Honours and MSc project supervisor.

Academic Conference Presentations and Papers

Sacks, D., Hunt, G., and Morris, L. Development of a Real-Time PCR Incorporating High Resolution Melting Analysis to Detect Resistance-Related Single Nucleotide Polymorphisms in the HIV-1 Reverse Transcriptase Gene. 10th Annual Symposium on Antiviral Drug Resistance: Targets and Mechanisms (Richmond, USA, 2009). Poster. Received a scholarship to attend the Symposium

Sacks, D., Hunt, G., and Morris, L. Development of a Real-Time PCR Incorporating High Resolution Melting Analysis to Detect Resistance-Related Single Nucleotide Polymorphisms in the HIV-1 Reverse Transcriptase Gene. 2nd Post-graduate Cross Faculty Symposium (Johannesburg, 2009). Poster.

Basic Information

Born: 11 March 1986 in Welkom, South Africa.
Citizenship: Germany and South Africa.
Spoken languages: English and Afrikaans.
Interests: Education, photography, oil painting.