

STUDENT SPOTLIGHT

Rebecca Smaha '14

Chemistry

Rebecca Smaha is a senior in the Chemistry department from Austin, Texas with certificates in Material Science and Linguistics. Her senior thesis, advised by Prof. Cava, involves solid-state chemistry and focuses particularly on magnetic oxides. She has synthesized an antimony-substituted sodium stannate and is interested in discovering whether it could serve as a sodium ion conductor. If this is possible, it could function as a solid phase electrolyte in a sodium ion battery! In addition, Rebecca is synthesizing $\text{Na}_4\text{Ir}_3\text{O}_8$ and $\text{Na}_4\text{Pt}_3\text{O}_8$ in order to better characterize them.



When she is not having fun in the lab, Rebecca may be found riding with the club cycling team or working on bikes at the Cyclab. She is a former president of the Buddhist Student Group and is also in the 2D coop on campus.

- Written by Tamara Pico '14



NEWS

PRISM faculty sweep PU IP accelerator fund competition!!! [more](#)

Cybersecurity

Prof. Paul Prucnal

Tattoo Removal

Prof. Alexander Smits and
Prof. Szymon Suckewer

High-Resolution 3-D Photography

Prof. Jason Fleischer

Optical Scanning

Prof. Craig Arnold

NEW STATE-OF-THE-ART EQUIPMENT

A new state-of-the-art equipment was recently acquired by the [Andlinger Center](#) and the Princeton Institute for the



Science and Technology of Materials (PRISM). The Leica Dual Core (confocal and interferometry technology) 3D optical surface metrology system provides non-destructive analysis of micro and nanostructures present on a variety of surfaces. It is located in the [Imaging & Analysis Center](#) in Bowen Hall, and will soon be available to qualified users in the Princeton research community.

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