

AMS Standard Cover Sheet

Last Name: Bruce Middle Name: _____

First Name: Juliette

Complete mailing address:

Home Phone _____

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juliette.bruce1@brown.edu

Current Institutional Affiliation:

Skype Name _____

Postdoctoral Research Associate, 08/2022 - Present

Work Phone _____

Brown University

Cell Phone _____

Department of Mathematics

Highest Degree held or expected PhD in Mathematics

Granting Institution University of Wisconsin - Madison, Department of Mathematics Date 08/2020

Ph.D. Advisor: Daniel Erman

Thesis Title Asymptotic Syzygies in Algebraic Geometry

Primary Interest (MSC# only) 13 Secondary Interests 14

Give a very brief synopsis of your current research interests in the box below (e.g. finite group actions on four-manifolds).

My research interests lie in commutative algebra, algebraic geometry, and arithmetic geometry. In particular, I am interested in using homological methods to study the geometry of zero loci of systems of polynomials (i.e. algebraic varieties). I am also interested in studying the arithmetic properties of varieties over finite fields. Further, I am passionate about promoting inclusivity, diversity, and justice in the mathematics community.
<https://juliettebruce.github.io>

Most recent position held, if any, post Ph.D.

University or Company Brown University

Position Title Postdoctoral Research Associate Dates 08/2022 - Present

Eligible for positions which requires U.S. citizenship or U.S. permanent residency: ☒ Yes ☐ No

If unsuccessful for this position, would you like to be considered for a temporary position?

☐ Yes ☒ No If yes, please check the appropriate boxes.

☐ Postdoctoral Position ☐ 2+ Year Position ☐ 1 Year Position

List the names and affiliations of individuals who will provide letters of recommendation if asked.

1. Daniel Erman, University of Wisconsin, Madison, erman@wisc.edu
2. Christine Berkesch, University of Minnesota, cberkesch@umn.edu
3. Melody Chan, Brown University, melody_chan@brown.edu
4. Shirin Malekpour, University of Wisconsin, Madison, shirin.malekpour@wisc.edu (teaching)
5. Gregory Smith, Queen's University, gregory.george.smith@gmail.com
6. David Eisenbud, University of California, Berkeley, de@berkeley.edu