Record Nr. UNINA9910767532003321 Autore Ellison Aaron M. <1960-> Titolo Success in Navigating Your Student Research Experience: Moving Forward in STEMM / / by Aaron M. Ellison, Manisha V. Patel Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2022 **ISBN** 3-031-06641-3 Edizione [1st ed. 2022.] Descrizione fisica 1 online resource (98 pages) Collana SpringerBriefs in Education, , 2211-193X 001.42 Disciplina 378.170281 Soggetti Education, Higher Science - Study and teaching Professional education Vocational education **Higher Education** Science Education Professional and Vocational Education Ensenyament científic Educació superior Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Nota di contenuto Preface -- Part 1: Preparing for a Research Experience -- Chapter 1: Finding a Research Experience -- Chapter 2: Applying for a Research Experience -- Chapter 3: Getting Ready -- Part 2. Undertaking the Research -- Chapter 4: Research -- Chapter 5: Education -- Chapter 6: Community -- Part 3. After the Research Experience -- Chapter 7: Opportunities -- Chapter 8: Building on the Experience -- Chapter 9: Becoming a Mentor -- Bibliography -- Index. This book is a complete guide for students on how to make the most of Sommario/riassunto intensive, experiential research outside a college classroom. Engaging in research as an undergraduate can lead to successful and rewarding

careers in science, technology, engineering, mathematics, and medicine

(STEMM). Being successful in an undergraduate research experience benefits from the self-awareness and planning, strategies and skills that Success in Navigating your Student Research Experience can help you build and develop. The first part of this book describes strategies and processes for finding, applying, and preparing for an undergraduate research experience that matches your own needs and interests. These strategies are useful for any student, but are particularly helpful for individuals who have been minoritized in STEMM or are the first in their family to attend college. The central part of the book presents the undergraduate research experience as a "threelegged stool" whose legs—research, education, and community—each have unique values in advancing your path in STEMM. The last part of the book illustrates the many options for continuing and expanding your path in research. These range from communicating results to colleagues to moving forward with graduate studies and careers in STEMM, in which you can become a mentor to the next generation of students. This book is the student's companion to the authors' book for mentors, "Success in Mentoring your Student Researchers: Moving STEMM Forward.".