

---

---

## Editors' Note

---

---

From captivating headlines to niche journals, no scientific discovery exists in a vacuum. Rather, each puzzle piece engages in an intricate dance with the others, morphing to accommodate or eliminate detailed fragments as what we consider to be our world's body of knowledge is confirmed, supplemented or renewed. It is uniquely through science that we can see that nothing, even at the micro- or nanoscopic scale, is small. Each question, each answer, and the dedication and collaboration behind them constitute something significantly greater. Whether through drug design, bioengineering, device development, or global health policy and care delivery, the scientific method again and again reinforces the interconnected web of our diverse fields of exploration, discovery, and application.

Big Science - the focus of the present issue - stems from the core of all fields that define scientific inquiry. Through the pieces selected for this issue, we share with you an exploration of the implications of new discoveries from the micro to the macro, and hope that you too will

engage in a scientific process of learning and questioning. From nanoscale drug delivery to Barack Obama's view of science funding, from the role of mitochondria in cancer to the biomechanics of giant dinosaurs, we aim to give you a taste of science from all scales. This issue features, additionally, a Faculty Spotlight exclusive interview with Harvard Biological Anthropology Professor Richard Wrangham. We hope that, in perusing this issue, Harvard Science Review readers will develop a deeper perspective on what it means to be a scientist of an interconnected world. In *Complications: A Surgeon's Notes on an Imperfect Science*, Harvard Medical School Professor Atul Gawande writes that "[the] gap between what we know and what we aim for persists. And this gap complicates everything we do." It is with this notion that we have much to learn, much to accomplish, and much complication to sort through as questioners and learners, that we present you with Big Science, as a launching pad from which to start this gigantic endeavor. We hope that you enjoy this issue; thank you for reading *The Harvard Science Review!* **H**

**Katherine Ransohoff and Tina Tan**

*Editors in Chief*