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www.isnature.org

Starts Monday,
June 15th at MIT



**Institute for
the Study of Nature**

Summer Fellowship Program **June 15-19, 2009**

“Reduction, Emergence, and Essence”

Ask the Tough Questions

- Since all things are composed of atoms, hasn't Aristotle been resoundingly defeated in his old argument with the atomists?
- Newtonian physics and modern cosmology fundamentally contradict Aristotle's "appetitive physics" and the scholastic dictum that "all that moves is moved by another," don't they? What value is left in the outmoded "physics" of Aristotle?
- Living things are built of "living atoms" (cells) and their development and operations directed by "genetic program"; is there anything left for the anti-mechanistic notions of "formal cause" and "final cause" to explain?

Join us as a Summer Fellow in June on the campus of MIT to begin considering these questions with the care they deserve.

Honor Scholarships

Three competitive Honor Scholarships will be awarded that cover full tuition, room, and board. See website www.isnature.org for requirements.

What's the Theme for 2009?

At this year's Seminar we'll devote four days of study and dialog to exploring questions of science, natural philosophy, and their intersection: the efficacy of reduction, the appeal of emergence, and the necessity of postulating essences. The course spans from the beginnings of science in the ancient Greeks, through the early moderns like Descartes and Newton to more recent modern results that have signaled a rebirth of interest in the notion of emergence.

Final Deadline: Monday, March 16

Final deadline for all applications (including scholarship essays) is March 16th, 2009.