



Real
Sociedad
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R.S.E.F.



FACULTAD DE CIENCIAS FÍSICAS

**Conferencias de divulgación científica de la
Real Sociedad Española de Física
Ciclo Hablemos de Física, Facultad de Ciencias Físicas (UCM)**

Ciclo especialmente orientado a estudiantes

Serendipity in Science

SHELDON L. GLASHOW

**Metcalf Professor of Mathematics and Physics, Boston University
Emeritus Higgins Professor of Physics, Harvard University
Premio Nobel de Física**

Many scientific discoveries result from the so-called scientific method: formulate your hypothesis, test it, then either reject or tentatively accept it. Higgs bosons and gravitational waves followed this script. But discoveries are often unexpected spinoffs of otherwise directed (or even entirely undirected) research. For example, the first aniline dye emerged from a failed attempt to synthesize quinine, and both infrared light and radioactivity were discovered by testing false hypotheses. Scientists and those who fund them must heed Pasteur's advice that chance favors only the prepared mind.



**Viernes 3 de junio 2016. 12:00 h
Salón de Actos. Facultad CC. Matemáticas UCM**