Wine, Cheese and Science: "Research and Innovation in Laser Plasma Accelerator Technologies" – A Conference by Victor Malka

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- **When:** Monday August 12, 2013 at 5:30PM
- **Where:** Embassy of France in Washington, DC ([map](https://www.google.com/maps/place/Embassy+of+France/@38.9071915,-77.0415148,17z/data=!4m13!1m7!3m6!1s0x0:0x0!2i131072!3m2!1d-77.0415148!2d38.9071915!3m2!1d0!2d0!4m8!3m7!1s0x89c2530f0f287f39:0x65f7403f8b87d79b!5m2!1sen!2s)
- **Registration** ($20)
- **Presentation in English**

Victor Malka, renowned researcher at CNRS, will present a review on “Research and innovation in Laser Plasma Accelerator Technologies”. The conference will be followed by a glass of Wine and some cheese.

This review will provide an opportunity to show the incredible evolution of this subject, which has in record time, allowed physicists to produce compact laser system accelerators that deliver high quality particle beams.

Examples of recently identified applications in medicine (radiotherapy, protontherapy), biology, chemistry (radiolysis), and in physics for materials science (gamma radiography for security) will be discussed. With a market of several billions of dollars per year, accelerators are used intensively in modern societies. Market issues will also be approached.

**Victor Malka**, a CNRS researcher and lecturer in the physics department at **Ecole Polytechnique**, works at **ENSTA**, in a team that he has established in 2001 to study laser-plasma particle acceleration. In July 2008, he was awarded an **European Research Council** grant of 2.2 million euros. Such grants are awarded in two categories: junior and senior. It was in the latter that Victor Malka was rewarded for his scientific work and for his ability to develop new research areas.

This lecture/debate is organized by the **French National Center for Scientific Research (CNRS) office in Washington, DC** and the **French American Chamber of Commerce**.

- **Abstract of the presentation** ([pdf](https://www.france-science.org/Abstract-Wine-Cheese-Science.pdf))