

TAMU-Princeton Summer Symposium on

Quantum Bio Photonics

Casper College, Wyoming, July 25-29, 2016

TAMU-Princeton Summer Symposium is continuing and extending the Spring Princeton-TAMU Symposium on Quantum Noise Effects in Thermodynamics, Biology and Information, Princeton University, April 14-16, 2016. The Wyoming Summer Symposium this year will continue the tradition of the past schools having lectures in the mornings and evenings with afternoons left free for outdoor activities such as hiking, horse riding, rafting, etc.

Symposium topics:

Foundations of Quantum Mechanics

EPR paradox and Bell inequalities

Quantum Eraser

Quantum Coherence and Entanglement

Quantum Informatics

Quantum Mechanics and Biology

Coherent Raman Spectroscopy and Microscopy

Tip Enhanced Raman Spectroscopy

Nano optics and Plasmonics

Biological applications of nano particles

Quantum Optical Bio Photonics

Detection of trace pathogens

Tip enhanced DNA scanning

Disease recognition

STED microscopy

Quantum Biology

Photosynthesis

Quantum transport

Quantum searching

Excitation blockade

Quantum Optics

X-UV laser

Efficient harmonic generation

Lasing without inversion

Superradiant amplification

