



COLLÈGE
DE FRANCE
— 1530 —



INSTITUT DE FRANCE
Académie des sciences



香港城市大學
City University of Hong Kong

Black Holes and Active Galaxy Nuclei

by

Professor Françoise Combes

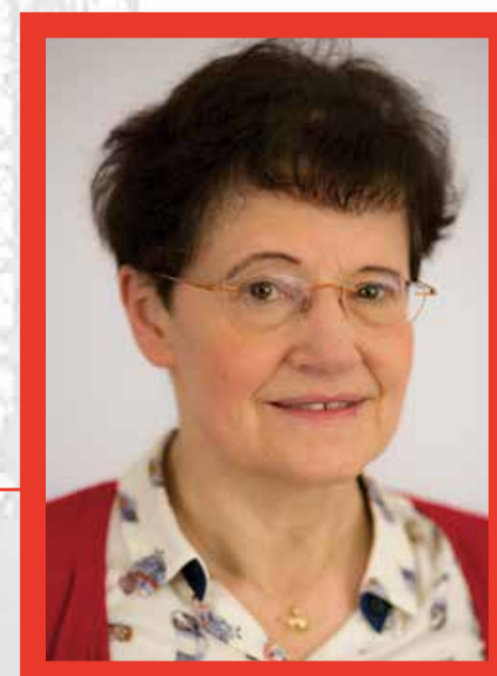
President Elect - French Academy of Sciences

Member of the Academia Europaea

Member of the National Academy of Sciences, USA

L'Oréal-UNESCO Women in Sciences Award

Professor at the Collège de France



FRANCE – HONG KONG
DISTINGUISHED
LECTURE SERIES

*A series of high-profile lectures
under the auspices of
the French Academy of Sciences*

Abstract:

Super-massive black holes are the central engine of Active Galactic Nuclei (AGN) and quasars, the most energetic and compact objects in the Universe. Since their identification in the 1960's, much has been learned about their nature and formation, from multi-wavelength (radio to gamma-rays) and multi-messenger observations (neutrinos, cosmic rays, gravitational waves). Recent works at high spatial resolution have revealed the shadow of the black holes, their accretion disk, and how the relativistic jets are launched. I will describe the mechanisms to feed the black holes, and how, when they are too greedy, the black holes can reject their food, and push the gas out of galaxies, preventing star formation.

Date: 8 May 2024 (Wednesday)

Time: 4:30 pm

Venue: Senate Room, 19/F
Lau Ming Wai Academic Building
City University of Hong Kong

Enquiries: Ms Winnie Yee
Tel: 3442 8670
Fax: 3442 0252
Email: vpre@cityu.edu.hk



Online registration:
<https://go.cityu.hk/diyoooy>

All are Welcome