

# Séminaire de l'ERC ReaDi

*Equations de réaction-diffusion, propagation et modélisation*

Henri Berestycki

prochaine séance : mardi 16 juin à 11h  
salle 466, EHESS, 190-198 avenue de France, 75013 – Paris

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## Italo Capuzzo-Dolcetta

*Sapienza Università di Roma*

### ***Some recent results on the principal eigenvalue of fully nonlinear elliptic operators***

The first part of the talk reports on a joint research with H. Berestycki, A. Porretta and L. Rossi centered on the relation between a suitably defined notion of principal eigenvalue and the validity of the maximum principle for a general class of degenerate elliptic operators. In the second part I will describe briefly an approximation procedure for the effective computation of the principal eigenvalue based on a min-max formula which goes back to Donsker-Varadhan and later generalized by Berestycki-Nirenberg-Varadhan. This topic is the subject of a work in collaboration with I. Birindelli and F. Camilli.

Retrouvez ici toutes les informations sur le séminaire :  
<http://readi-project.weebly.com/june-16th-2015.html>



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