## DEROT Population designs evaluation and optimization in R: the PFIM function and its new features S. Retout (1, 2), C. Bazzoli (1), E. Comets (1), H. Le Nagard (1), F. Mentré (1, 2) Inserm (1) INSERM, U738, Paris, France ; Université Paris 7, Paris, France (2) AP-HP, Hôpital Bichat, Paris, France



- Graphical user interface
- Requires R version 2.4.1
- Windows 2000 / XP platform
- Same features as PFIM / PFIMOPT 3.0 but only for single response model
- Model

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- analytical form or differential equations system
- inclusion of the library of PK models
- Optimisation
  - Simplex or Fedorov-Wynn algorithm

## Conclusion

- PFIM Interface 2.0 freely available at www.pfim.biostat.fr (with PFIM 1.2 and PFIMOPT 1.0)
- PFIM 3.0 and PFIMOPT 3.0 for multiple responses model: beta version under evaluation
- Perspective: PFIM Interface 3.0 for multiple response models

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