

Appendix: detailed program

Program-proposal BIOCONTRACT-COCOR meeting Lisbon 8-11 January

Day 1 (8 Jan)

[16:00 Welcome Reception (COCOR and BIOCONTRACT together)]

Food available

[17:00 Opening session (COCOR and BIOCONTRACT together)]

Director of Instituto Gulbenkian Ciencia

19:00 Dinner 1 (COCOR and BIOCONTRACT together)

Day 2 (9 Jan) - COCOR-internal meetings

9:00 Introduction of partners (25 min talks)

1. Austrian group (Thomas Bugnyar)
2. Spanish group (Vittorio Baglione / Daniela Canestrani)
3. UK-group (Nathan Emery)
4. French group (Ronald Noë / Christelle Scheid)

11:00 Coffee break [COCOR and BIOCONTRACT together]

11:30 Introduction of partners (25 min talks)

5. Canadian partner (Debbie Kelly)
6. Italian group 1 (Paolo Zucca)
7. Dutch group (Eric van Damme / Marta Serra Garcia)
8. Italian group 2 (Orazio Miglino / co-worker)

13:30 Lunch break [COCOR and BIOCONTRACT together]

15:00 Round tables (about 1 h each with 20 min breaks in between)

1. Cooperation research in corvids (moderator: Ronald Noë)
 - What has been done; what is done in the COCOR-program; what is lacking?
 - How do we compare to research in primates and other species

16:30 Coffee break [COCOR and BIOCONTRACT together]

2. Which models for cooperation in group-living animals? (moderator Eric van Damme)
 - Existing game theoretical / economic models
 - New directions to take? Graph theory, simulations or what?
3. Embodied agents (moderator Orazio Miglino)
 - How can robotics and animal behavior researchers inspire each other?
 - Do corvids and primates suggest different types of cooperative robots?

20:00 Dinner2 Town Hall [COCOR and BIOCONTRACT together]

Day 2 (9 Jan) - BIOCONTRACT-internal meetings

9:00 Introduction of partners (25 min talks)

Mutualisms

- 1- Francisco Dionisio
- 2- Jerome Orivel
- 3- Naomi Pierce

11:00 Coffee break [COCOR and BIOCONTRACT together]

11:30 Introduction of partners (25 min talks)

The Micro-Economics of Mutualism

- 1- Jerry Green/Drew Fudenberg
- 2- Douglas Yu / Francisco Ubeda

Discussion on how to apply the Contract Theory to the study of Mutualisms

13:30 Lunch break [COCOR and BIOCONTRACT together]

15:00 Introduction of partners (25 min talks)

Dispersal and Spatial Structure

- 3- Istvan Scheuring / Adam Kun
- 4- Ulf Dieckmann / Adam Kun

Discussion of strategies for future research

16:30 Coffee break [COCOR and BIOCONTRACT together]

17:00 Round table with Megan Frederickson, Martin Heil, Kevin Foster, James Cook

20:00 Dinner2 Town Hall [COCOR and BIOCONTRACT together]

Day 3 (10 Jan) – BIOCONTRACT with COCOR all day

9:30 Plenary Session1

State of the art of Corvid research (Thomas Bugnyar)

10:30 Plenary Session2

The interface between animal behavior and micro-economics (Eric van Damme)

11:30 Coffee break

12:00 Plenary Session3

Genetic conflicts and Human conflicts (Francisco Ubeda)

13:00 Lunch

14:30 Plenary Session4

Evolution of Mutualisms (Kevin Foster)

15:30 Plenary Session5

Contract Theory and Mutualisms (J. Green, Doug Yu)

16:30 Coffee break

17:00 Round table – Synergies between BIOCONTRACT and COCOR

- How does the biology compare?
- How do economic models compare?

19:00 Dinner 3

Day 4 (11 Jan)

9:30 Round table – Discussion among BIOCONTRACT

9:30 Round table – Discussion among COCOR

11:00 Coffee break [COCOR and BIOCONTRACT together]

11:30 Plenary Session [COCOR and BIOCONTRACT together]

Herbert Gintis, Jerry Green or/and Drew Fudenberg

12:30 Closing session (Gulbenkian Foundation)

13:00 Lunch [COCOR and BIOCONTRACT together]