

## **Organização:**



**Instituto de Economia**

**Universidade Federal do Rio de Janeiro**



**Centre for Research on Innovation and Competition**

**The University of Manchester**

## **Apoio:**



**Financiadora de Estudos e Projetos (FINEP)**



**British Council do Rio de Janeiro**



**Fundação Universitária José Bonifácio (FUJB)**

# **Tendências e Fronteiras do Desenvolvimento: Inovação e Políticas Tecnológicas**

## **Frontiers and Trends of Development: Innovation Research and Policy**



## ■■■ Schedule

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### Workshop

September, 25-26, 9:00 am – 6:00 pm

Frontiers and Trends: Frontiers of Innovation Research and Policy

- Hotel Sofitel, Av. Atlântica, 4240, Copacabana, Rio de Janeiro, Rio de Janeiro I Room

### Debate (*open to the public*)

27 of September, 9:30 am

Theoretical Foundations of Innovation and Competition: special remarks for an empirical agenda

*Participants:* J. Stanley Metcalfe, Franco Malerba, Morris Teubal, Paolo Saviotti, Hugh Cameron, Birgitte Andersen, Edmund Amann, Mark Harvey and Ruth Rama;

*Chair:* Maria da Graça Derengowski Fonseca and Sérgio Salles Filho

- UFRJ, Pedro Calmon Room, Av. Pasteur, 250, 2<sup>nd</sup> floor, Urca, Rio de Janeiro

## ■■■ Workshop Program

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### ■■■ Wednesday, 25<sup>th</sup> of September

#### 9:00 - 10:00

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##### - Opening

*Carlos Lessa* (President - Universidade Federal do Rio de Janeiro)

*Mauro Marcondes* (FINEP)

*Mark Baumfield* (The British Council)

*J. Stanley Metcalfe* (CRIC – University of Manchester)

*Maria da Graça Derengowski Fonseca* (IE-UFRJ)

*João Carlos Ferraz* (Principal - IE-UFRJ)

#### Coffee Break 10:00 - 10:30

#### 10:30 - 11:30\*

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##### - Sectoral Systems and Innovation and Technology Policies

*Franco Malerba* (CESPRI - Bocconi University, Milan)

Comments: *Antônio Barros de Castro* (IE-UFRJ)

Chair: *Sérgio Salles* (FINEP)

#### 11:30 - 13:00

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##### - Venture Capital: Start Up Co-Evolution and the Emergence & Development of Israel's new high tech cluster

*Morris Teubal* (The Hebrew University, Israel)

Comments: *Jorge Ávila* (FINEP)

##### - Development Agenda and Technological Development

*Fabio Erber* (IE-UFRJ)

Comments: *J. Stanley Metcalfe* (IE-UFRJ)

Chair: *Luciane Gorgulho* (FINEP)

#### LUNCH 13:00 - 14:30

#### 14:30 - 16:00

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##### - Brazilian Genomics and Bioinformatics: instituting innovation processes in a global context

*Mark Harvey* (CRIC –University of Manchester)

Comments: *José Maria Silveira* (IE-UNICAMP)

##### - Prospective Studies and the Organization of Inovative Systems in Brazil

*Sérgio Salles* (FINEP), *Beatriz Bonacelli* (IG-UNICAMP) e *Mauro Zackiewicz* (IG-UNICAMP)

Comments: *Edmund Amann* (The University of Manchester)

Chair: *Terezinha Guimarães* (FINEP)

#### Coffee Break 16:00 - 16:15

#### 16:15 - 17:45

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##### - Economic Liberalisation and Changes in Corporate Control in Latin America

*João C. Ferraz* (IE-UFRJ) e *Germano M. de Paula* (CEDEPLAR)

Comments: *Ruth Rama* (SCIC - Madrid)

##### - Technological Sovereignty, Industrial Efficiency and Development

*Edmund Amann* (School of Economics – The University of Manchester)

Comments: *João Furtado* (UNESP)

Chair: *Carlos Pacheco* (MCT)

#### 17:45 End of the 1<sup>st</sup> day

## ■ ■ ■ Thursday, 26<sup>th</sup> of September

### 9:30 - 10:30\*

- 
- Equilibrium and Evolutionary Foundations of Competition and Innovation Policy  
*Stan Metcalfe* (CRIC – The University of Manchester)  
Comments: *Maria da Graça Derengowski* (IE-UFRJ)  
Chair: Fernando Ribeiro (FINEP)

### Coffe-Break 10:30 - 10:45

### 10:45 - 12:15

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- The Knowledge Base of Firms in the Biotechnology Based Sectors: properties and performance  
*Paolo Saviotti* (University of Nice/University of Grenoble)  
Comments: *José Cassiolato* (IE-UFRJ)
  - Brazilian Emerging Biotech Companies and Markets  
*Maria da Graça D. Fonseca* (IE-UFRJ) e *Jose M. J. da Silveira* (IE-UNICAMP)  
Comments: *Beatriz Bonacelli* (IG-UNICAMP)  
Chair: *Luiz Fernando Bello* (FINEP)

### LUNCH 12:15 - 13:45

### 13:45 - 15:15

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- New Economic Agents and New Forms of Concentration in the Electronics Industries of Madrid  
*Ruth Rama* (CSIC - Madrid), *Deron Ferguson* and *Ana Melero*  
Comments: *Sérgio Salles* (FINEP)
  - Productive and Innovative Systems in the Nineties: economic policy issues  
*José Cassiolato* (IE-UFRJ) e *Helena Lastres* (IE-UFRJ)  
Comments: *Hélio Nogueira da Cruz* (USP)  
Chair: *Maria Lucia Horta* (FINEP)

### 15:15 - 16:45

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- Immature National Systems of Innovation: introducing a comparison between Brazil, Mexico, India and South Africa  
*Eduardo Albuquerque* (CEDEPLAR)  
Comments: *Helena Lastres* (IE-UFRJ)
  - Intellectual Property Issues in Rapidly Developing Economies and the Implications for the Evolution of Innovation Policies  
*Birgitte Andersen* (Birkbeck College - London)  
Comments: *Luiz Martins* (FINEP and IE-UFRJ)  
Chair: *Helder Queiroz* (IE-UFRJ)

### Coffee Break 16:45- 17:00

### 17:00 - 18:30

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- Selective Efficiency: a Neo-Schumpeterian Evolutionary Perspective on Normative Economic Issues  
*Mario Possas* (IE/UFRJ)  
Comments: *Birgitte Andersen* (Birkbeck College- London)
  - Trends in IPR and Science and Technology Policy: Recent European Developments'  
*Hugh Cameron* (PREST – The University of Manchester)  
Comments: *Mauricio Mendonça* (MCT)  
Chair: *Luiz Martins* (IE-UNICAMP)

### 18:30 - 19:00

#### Final Session

Ronaldo Sardemberg (Minister of Science and Technology)

### 19:00 - 20:00

#### Cocktail

Copacabana Room Hotel Sofitel

Sessions (1:30)

Guests: 30 minutes each; comments: 10 minutes; questions: 10 minutes.

\* Special session (1:00)

Guest (1): 30 minutes; comments: 20 minutes; questions: 10 minutes.

## ■■■ Programação

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### Workshop

Dias 25-26, 9:00 - 18:00

Tendências e Fronteiras do Desenvolvimento: Inovação e Políticas Tecnológicas

- Hotel Sofitel, Av. Atlântica, 4240, Copacabana, Rio de Janeiro, Salão Rio de Janeiro I.

### Debate

Dia 27, 9:30 (*aberto ao público*)

Fundamentos Teóricos da Inovação e da Concorrência

Participantes: J. Stanley Metcalfe, Franco Malerba, Morris Teubal., Paolo Saviotti, Hugh Cameron, Birgitte Andersen, Edmund Amann, Mark Harvey e Ruth Rama;

Condutores: Maria da Graça Derengowski Fonseca e Sérgio Salles Filho.

- Salão Pedro Calmon, Av. Pasteur, 250, 2º andar, Urca, Rio de Janeiro.

## ■■■ Programa do Workshop

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### ■■■ Quarta, 25 de Setembro

9:00 - 10:00

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#### Abertura

*Carlos Lessa* (Reitor da Universidade Federal do Rio de Janeiro)

*Mauro Marcondes* (Presidente da FINEP)

*Mark Baumfield* (Diretor The British Council- Rio de Janeiro)

*Stan Metcalfe* (Coordenador - Institute of Innovation/CRIC – University of Manchester)

*Maria da Graça Derengowski Fonseca* (Coordenadora - IE-UFRJ)

*João C. Ferraz* (Diretor do IE-UFRJ)

#### Coffee Break 10:00-10:30

10:30 - 11:30\*

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- Sectoral Systems and Innovation and Technology Policies

*Franco Malerba* (CESPRI - Bocconi University Milan)

Debatedor: *Antônio Barros de Castro* (IE-UFRJ)

Mediador: *Sérgio Salles* (FINEP)

11:30 - 13:00

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- Venture Capital: Start up co-evolution and the emergence & development of Israel's new high tech cluster

*Morris Teubal* (The Hebrew University, Israel)

Debatedor: *Jorge Ávila* (FINEP)

- Development agenda and technological development

*Fabio Erber* (IE-UFRJ)

Debatedor: *J. Stanley Metcalfe* (Institute of Innovation/CRIC - University of Manchester)

Mediadora: *Luciane Gorgulho* (FINEP)

#### ALMOÇO 13:00 -14:30

14:30 - 16:00

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- Brazilian genomics and bioinformatics: instituting innovation processes in a global context

Mark Harvey and Andy McMeekin (Institute of Innovation/CRIC – University of Manchester)

Debatedor: *José Maria Silveira* (IE-UNICAMP)

- Estudos Prospectivos e a Organização de Sistemas de Inovação no Brasil

*Sérgio Salles* (FINEP), *Beatriz Bonacelli* (IG-UNICAMP) e *Mauro Zackiewicz* (IG-UNICAMP)

Debatedor: *Edmund Amann* (School of Economics – The University of Manchester)

Mediadora: *Terezinha Guimarães* (FINEP)

#### Coffee Break 16:00- 16:15

16:15 - 17:45

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- Economic Liberalization and Changes in Corporate Control in Latin America

*João C. Ferraz* (IE-UFRJ) e *Germano M. de Paula* (CEDEPLAR)

Debatedora: Ruth Rama (SCIC - Madrid)

- Technological Sovereignty, Industrial Efficiency and Development

*Edmund Amann* (School of Economics – University of Manchester)

Debatedor: *João Furtado* (UNESP)

Mediador: Carlos Pacheco (MCT)

#### 17:45 Encerramento do primeiro dia

## ■ ■ ■ Quinta-feira, 26 de Setembro

9:30 - 10:30\*

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### - Equilibrium and Evolutionary Foundations of Competition and Innovation Policy

*Stan Metcalfe* (Institute of Innovation/CRIC – University of Manchester)

Debatedora: *Maria da Graça D. Fonseca* (IE-UFRJ)

Mediador: Fernando Ribeiro (FINEP)

**Coffe-Break 10:30 - 10:45**

10:45 - 12:15

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### - The knowledge base of firms in the biotechnology based sectors: properties and performance

*Paolo Saviotti* (University of Nice)

Debatedor: *José Cassiolato* (IE-UFRJ)

### - Empresas e Mercados Emergentes de Biotecnologia no Brasil

*Maria da Graça D. Fonseca* (IE-UFRJ) e *Jose M. J. da Silveira* (IE-UNICAMP)

Debatedora: *Beatriz Bonacelli* (IG-UNICAMP)

Mediador: *Luiz Fernando Bello* (FINEP)

**ALMOÇO 12:15 - 13:45**

13:45 - 15:15

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### - New Economic Agents and New Forms of Concentration in the Electronics Industries of Madrid

*Ruth Rama* (CSIC Madri), *Deron Ferguson* and *Ana Melero*

Debatedor: *Sérgio Salles* (FINEP)

### - O Desenvolvimento de Sistemas Locais de Produção e de Inovação no Brasil em 1990: implicações sobre política econômica.

*José Cassiolato* (IE-UFRJ) e *Helena Lastres* (IE-UFRJ)

Debatedor: *Hélio Nogueira da Cruz* (USP)

Mediadora: *Maria Lúcia Horta* (FINEP)

15:15 - 16:45

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### - Immature National Systems of innovation: Introducing a comparison between Brazil, Mexico, India and South Africa

*Eduardo Albuquerque* (CEDEPLAR-UFMG)

Debatedora: *Helena Lastres* (IE-UFRJ)

### - Intellectual Property Issues in Rapidly Developing Economies and the implications for the Evolution of Innovation Policies

*Birgitte Andersen* (London University)

Debatedor: *Luiz Martins* (FINEP/IE-UFRJ)

Mediador: *Helder Queiroz* (IE-UFRJ)

**Coffee Break 16:45- 17:00**

17:00 - 18:30

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### - Selective Efficiency: a Neo-Schumpeterian Evolutionary Perspective on Normative Economic Issues

*Mario Possas* (IE-UFRJ)

Debatedora: *Birgitte Andersen* (Birkbeck College-London)

### - Trends in IPR and Science and Technology Policy: Recent European Developments

*Hugh Cameron* (Institute of Innovation/PREST – The University of Manchester)

Debatedor: *Maurício Mendonça* (Ministério da Ciência & Tecnologia)

Mediador: *Luiz Martins* (FINEP/IE-UFRJ)

18:30 - 19:00

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### Encerramento do Workshop

Ministro de Ciência e Tecnologia Ronaldo Sardemberg

19:00 - 20:00

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### Coquetel

Salão Copacabana, Hotel Sofitel

Sessão Normal (*duração – uma hora e trinta minutos*)

Conferencistas: 30 minutos cada; debatedores: 10 minutos cada; platéia: 10 minutos.

\* Sessão Especial (*duração – uma hora*)

Conferencista (1): 30 minutos; debatedor: 20 minutos; platéia: 10 minutos.