



# 2023 MicrobiotaMi

MIXED FACE-TO-FACE AND SYNCHRONOUS E-LEARNING CONGRESS



**SCIENTIFIC PROGRAMME**

University of Milano-Bicocca, Milan (Italy)

**3-4-5 April 2023**

[www.microbiotami.com](http://www.microbiotami.com)

## Presentation

Interdisciplinarity has to be the evolving key of modern medicine and it is absolutely pivotal in the microbiome field, one of the hottest topic in medical research. A close interplay between basic and translational research is indispensable for a better comprehension of the discrete multifaceted roles play by the resident flora on human health. This approach is evident in the seven sessions of the MicrobiotaMI 2023 congress, gathering main experts from top research centers all over the world featuring both basic research and clinical backgrounds.

After the limitations due to the COVID-19 pandemic, we believe that MicrobiotaMI 2023 is the right occasion to safely meet this approach "in person".

## Patronages requested

- **MINISTERO DELLA SALUTE**
- **REGIONE LOMBARDIA**



- **ESCMID** - European Society of Clinical Microbiology and Infectious Diseases
- **EuChemS** - European Chemical Society,
- **FEMS** - Federation of European Microbiological Societies
- **SCI** - Società Chimica Italiana
- **SIM** - Società Italiana di Microbiologia



## **Faculty**

**Andrea Alimonti**

Bellinzona, Switzerland

**G rard Eberl**

Paris, France

**Wendy Garrett**

Boston, Massachusetts, USA

**Nelson Gekara**

Stockholm, Sweden

**Frank J. Gonzalez**

Bethesda, Maryland, USA

**Vanessa C. Harris**

Amsterdam, The Netherlands

**Jun Huh**

Boston, Massachusetts, USA

**Roy Kishony**

Israel Institute of Technology, Haifa, Israel

**Christian Jobin**

Gainesville, Florida, USA

**Nicasio Mancini**

Milan, Italy

**Sarkis Mazmanian**

Pasadena, California, USA

**Andrew Patterson**

State College, Pennsylvania, USA

**Carolina Pellegrini**

Pisa, Italy

**Francesco Peri**

Milan, Italy

**Daniel Radford-Smith**

Oxford, UK

**Maria Rescigno**

Milan, Italy

**Maurizio Sanguinetti**

Rome, Italy

**Tommi M. Vatanen**

Helsinki, Finlandia

## Monday 3<sup>rd</sup> April, 2023

12:45pm-13:15pm Registration of participants

13:15pm-13:30pm Welcome address, introduction to MicrobiotaMI 2023  
**Nicasio Mancini** (Milan, Italy), **Francesco Peri** (Milan, Italy),  
**Maria Rescigno** (Milan, Italy)

### Plenary Session 1 - Microbiota profiling and nutrition

13:30pm-14:00pm Human gut bacteria produce Th17-modulating bile acid metabolites  
**Jun Huh** (Boston, Massachusetts, USA)

14:00pm-14:30pm Bile acids, gut microbiota and inflammatory diseases  
**Andrew Patterson** (Pennsylvania, USA) **(online)**

14:30pm-14:45pm Discussion

14:45pm-15:30pm Oral Communications (3)

15:30pm-15:45pm Poster Flash

15:45pm-16:30pm ***Poster session and Coffee Break***

### Plenary Session 2 - Microbiota profiling and cancer

16:30pm-17:00pm Gut microbiota metabolites and human cancer  
**Frank Gonzalez** (Bethesda, Maryland, USA) **(online)**

17:00pm-17:30pm Gut microbiota and colorectal cancer: from target validation to therapeutic discovery  
**Wendy Garrett** (Boston, Massachusetts, USA) **(online)**

17:30pm-17:45pm Discussion

17:45pm-19:00pm Oral Communications (5)

19:00pm-19:15pm Posters flash

19:15pm-19:45pm ***Poster Session and Welcome cocktail***

## Tuesday 4<sup>th</sup> April, 2023

### Plenary Session 3 - Microbiota profiling and response to viral infections

- 09:30am-10:00am** Commensal gut microbiota priming of antiviral immune response  
**Nelson O. Gekara** (Stockholm, Sweden)
- 10:00am-10:30am** Microbiota regulation of viral infections through interferon signalling  
**Vanessa C. Harris** (Amsterdam, The Netherlands)
- 10:30am-10:45am** Discussion
- 10:45am-11:30am** Oral Communications (3)
- 11:30am-11:45am** Poster Flash
- 11:45am-12:15pm** **Sponsored Symposium**

### Plenary Session 4 - Microbiota profiling and systemic effects

- 12:15pm-12:45pm** Mobile genetic elements from the maternal microbiome shape infant gut microbial assembly and metabolism.  
**Tommi M. Vatanen** (Helsinki, Finlandia)
- 12:45pm-13:15pm** Intestinal innate immunity in response to food intake  
**G rard Eberl** (Paris, France)
- 13:15pm-13:30pm** Discussion
- 13:30pm-14:30pm** **Snack Lunch**
- 14:30pm-15:15pm** Oral Communications (3)
- 15:15pm-15:30pm** Posters flash

### Plenary Session 5 - Microbiota profiling and behavioural changes

- 15:30pm-16:00pm** Intestinal barrier at the crossroads between microbiota-gut-brain axis and brain disorders  
**Carolina Pellegrini** (Pisa Italy)
- 16:00pm-16:30pm** Modulation of the maternal microbiota and behavioural effects in the offspring  
**Daniel Radford-Smith** (Oxford, UK) **(online)**
- 16:30pm-17:00pm** Microbiota-brain axis and behavior: context or causality?  
**Sarkis Mazmanian** (Pasadena, California, USA) **(online)**
- 17:00pm-17:15pm** Discussion
- 17:15pm-18:00pm** Oral Communications (3)
- 18:00pm-18:15pm** Posters flash
- 18:15pm-18:45pm** **Sponsored Symposium**

## Wednesday 5<sup>th</sup> April, 2023

### Plenary Session 6 - Microbiota profiling and antimicrobial resistance

09:00am-09:30am Microbiota collapse and MDR infections: from bench to bedside  
**Maurizio Sanguinetti** (Rome, Italy)

09:30am-10:00am Microbiome studies, machine learning and the prevention of antibiotic failure  
**Roy Kishony** (Haifa, Israel) **(online)**

10:00am-10:15am Discussion

10:15am-11:00am Oral Communications (3)

11:00am-11:15am Posters flash

11:15am-11:45am **Poster session and coffee break**

### Plenary Session 7 - Microbiota profiling and pharmacological interference

11:45am-12:15pm Commensal bacteria promote endocrine resistance in prostate cancer through androgen biosynthesis  
**Andrea Alimonti** (Bellinzona, Switzerland)

12:15pm-12:45pm Gut microbiota and therapeutic response to checkpoint PD-1 blockade  
**Christian Jobin** (Gainesville, Florida, USA)

12:45pm-13:00pm Discussion

13:00pm-13:45pm Oral Communications (3)

13:45pm Poster Prizes and Closing remarks  
**Nicasio Mancini** (Milan, Italy), **Francesco Peri** (Milan, Italy),  
**Maria Rescigno** (Milan, Italy)

## **Abstracts**

During the Congress there will be sessions of Oral Communications and Posters with topics related to the Congress.

Abstracts will be reviewed by the Scientific Committee and may be selected for either **oral or poster presentation**.

Authors who wish to present scientific works are requested to send abstracts by **February 25<sup>th</sup>, 2023** using ONLY the online form on **www.microbiotami.com**.

Authors must specify their preferred form of presentation (oral communication or poster) when sending their abstracts. The choice is not binding.

By **March 5<sup>th</sup>, 2023**, the organizing secretariat will send notification of acceptance of the selected works and the presentation mode (oral communication or poster).

### **ORAL COMMUNICATIONS**

The time limit for oral communications is 15 min, including discussion.

### **POSTERS**

Posters dimensions should be 70 cm. (width) x 100 cm. (height).

Mounting materials will be provided in the posting area.

The presence of one of the authors is required for the discussion of the posters.

### **ABSTRACT SUBMISSION GUIDELINES**

- The text, in English, must contain (in the following order):
  - Topic: indication of the preferential topic
  - Title: title of abstract (short, written in UPPERCASE letters)
  - Author(s): Initial of first name followed by surname, initials in uppercase, without academic title; underline name of Author who will present the work.
  - Affiliation: name and location of institution.
- Use the Word programme (Times New Roman, font size 12, single-spaced)
- Maximum length: 1 page.

### **CONTENTS**

The abstract must contain:

- Aim of the study
- Methods used
- Results and conclusions

Any bibliographic citations must be inserted in the text. Summary tables or graphs may be included provided they fit on the page of text.

## Topics

- Microbiota profiling and nutrition
- Microbiota profiling and response to viral infections
- Microbiota profiling and cancer
- Microbiota profiling and systemic effects
- Microbiota profiling and behavioural changes
- Microbiota profiling and antimicrobial resistance
- Microbiota profiling and pharmacological interference



## **Scientific Committee**

### **Nicasio Mancini**

IRCCS Ospedale San Raffaele,  
Università Vita-Salute  
San Raffaele, Milan

### **Francesco Peri**

University of Milano-Bicocca,  
Milan

### **Maria Rescigno**

Humanitas University,  
Rozzano, Milan

### **RES CONGRESS VENUE**

University of Milano-Bicocca,  
Piazza dell'Ateneo Nuovo, 1  
20126 Milano

### **FAD CONGRESS**

Nadirex International Srl  
Via Riviera 39, 27100 Pavia  
www.nadirex.org

### **ORGANIZING SECRETARIAT AND PROVIDER CME NR. 265**



### **Nadirex International srl**

Via Riviera, 39 - 27100 Pavia  
Tel +39 0382525714  
Fax + 39 0382 525736

### **Ref. Luana Cattaruzza**

luana.cattaruzza@nadirex.com

### **Ref. Federica Maggi**

federica.maggi@nadirex.com

### **Ref. Gloria Molla**

gloria.molla@nadirex.com

www.microbiotami.com  
www.nadirex.com

## **Informazioni ECM**

*For Italians only*

### **ECM (Educazione Continua in Medicina)**

Evento accreditato presso il Ministero della Salute

Destinatari dell'iniziativa:

- Biologo
- Chimico
- Dietista
- Farmacista (Farmacia Ospedaliera, farmacia Territoriale)
- Medico Chirurgo (tutte le discipline)
- Odontoiatra
- Tecnico Sanitario di Laboratorio Biomedico

### **ECM RES - ID NR. 265-370419 - Nr. 5,7 crediti - Nr. Partecipanti 300**

Per conseguire i crediti ECM relativi all'evento residenziale è obbligatorio:

- Partecipare al 90% delle attività formative
- Compilare correttamente il questionario ECM (l'attribuzione dei crediti è subordinata al superamento del 75% delle risposte corrette)
- Compilare la scheda di qualità percepita evento RES
- Compilare la scheda indagine bisogni formativi
- Firmare il registro presenza all'inizio ed al termine dei lavori
- Aver compilato la dichiarazione di reclutamento da parte di Sponsor (da consegnare all'inizio della giornata)

### **ECM FAD - ID NR 265-370423 - Nr. 28,5 crediti - Nr. Partecipanti 500**

Per conseguire i crediti ECM relativi all'evento FAD è obbligatorio:

- Partecipare al 90% delle attività formative
- Compilare correttamente il questionario ECM (l'attribuzione dei crediti è subordinata al superamento del 75% delle risposte corrette)
- Compilare la scheda di qualità percepita evento FAD
- Compilare la scheda indagine bisogni formativi
- Firmare il registro presenza all'inizio ed al termine dei lavori
- Aver compilato la dichiarazione di reclutamento da parte di Sponsor (da allegare all'atto dell'iscrizione o inviare per mail [info@nadirex.com](mailto:info@nadirex.com))

### **DOTAZIONE HARDWARE E SOFTWARE NECESSARIA ALL'UTENTE PER SVOLGERE L'EVENTO**

Indirizzo mail (per iscriversi), browser web recente ed aggiornato, connessione ad internet, dispositivi per usufruire dei contenuti didattici (pc, smartphone o tablet) dotati di casse (o cuffie) e microfono.

## Registration

Online Registration: [www.microbiotami.com](http://www.microbiotami.com)

Registration Type (22% VAT included)	Registration Fee by March 10 <sup>th</sup> , 2023	Registration Fee after March 10 <sup>th</sup> , 2023
<b>RES CONGRESS MEMBERS OF MICROBIOTAMI ASSOCIATION</b>	<b>€ 244,00</b> (€ 200,00 + 44,00 VAT at 22%)	<b>€ 305,00</b> (€ 250,00 + 55,00 VAT at 22%)
<b>RES CONGRESS NON-MEMBERS OF MICROBIOTAMI ASSOCIATION</b> The fee includes: - registration at congress - registration to Microbiotami Association for 2023*	<b>€ 305,00</b> (€ 250,00 + 55,00 VAT at 22%)	<b>€ 366,00</b> (€ 300,00 + 66,00 VAT at 22%)
<b>RES AND FAD CONGRESS</b> Young Members of Microbiotami Association Under 35	<b>€ 200,00</b> € 163,94 + 36,06 VAT at 22%)	<b>€ 244,00</b> (€ 200,00 + 44,00 VAT at 22%)
<b>FAD CONGRESS</b>	<b>€ 250,00</b> (€ 205,00 + 45,00 VAT at 22%)	<b>€ 300,00</b> (€ 246,00 + 54,00 VAT at 22%)
<b><u>ORAL COMMUNICATIONS: FREE REGISTRATION</u></b>		

\* to be approved by Microbiotami Association

### REGISTRATION FEE

The registration fee includes:

- Participation in scientific works
- Congress kit
- Participation certificate
- ECM registration and documentation and ECM Certificate
- Coffee breaks
- USB-Conference abstract
- Post event educational material
- Participation in the Welcome Cocktail on the evening of 3 April 2023 at the end of the works
- Working lunch at the congress venue on 4 April 2023

### METHODS OF PAYMENT - online payment WEB [www.microbiotami.com](http://www.microbiotami.com)

- Bank transfer BIC: BCITITMM - IBAN: IT66L0306911310100000069654  
Nadirex International Srl
- Credit card

## How to reach the venue

University of Milano-Bicocca,  
Piazza dell'Ateneo Nuovo, 1 - 20126 Milano

### By CAR

View street map

### By TRAIN

The nearest station to the University of Milan-Bicocca is Milan Greco Pirelli.

See train timetables:

Trenitalia  
Trenord

### By Underground

Take one of the following lines:

Line 5: Bicocca stop, in Viale Fulvio Testi near Piazza della Scienza, or Ponale stop, near the U16 building.

Line 1: Precotto stop, then take Tram 7 towards Messina.

Line 3: Zara stop, then take Tram 7 towards Precotto.

Visit ATM website for more information

### By TRAM

Line 7: Arcimboldi Ateneo Nuovo stop for Buildings U6/U7 or Università Bicocca Scienza stop for Buildings near Piazza della Scienza.

Get off at the Stazione Greco stop to catch the Bicocca shuttle.

Line 31: San Glicerio stop

Visit ATM website for more information

### By BUS

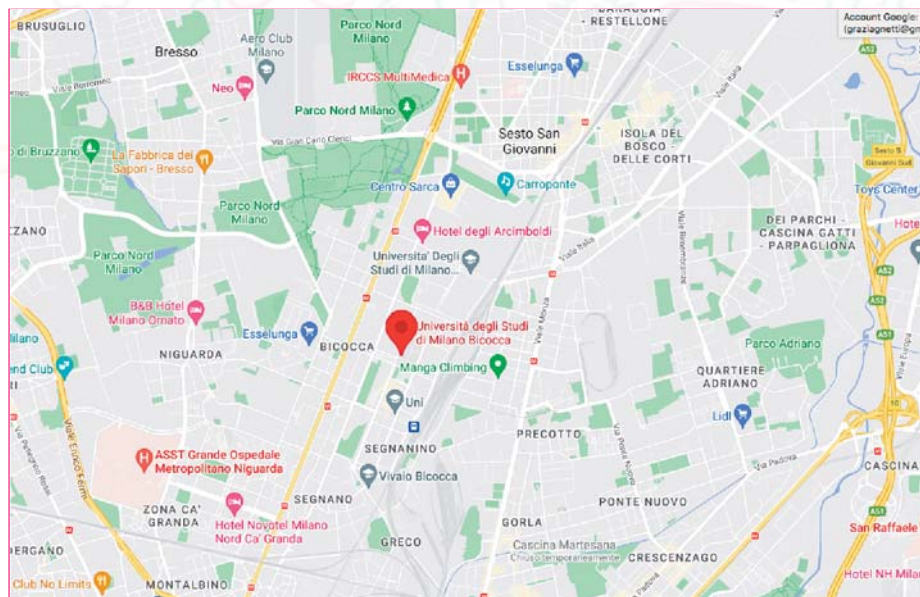
Line 87 from Milano Central Station to Milano Greco Pirelli

Linea 51 Ponale Testi stop

Line 81 and 86

Linea 728: Milano Greco stop

Visit ATM website for more information



# REGISTRATION FORM

Online registration: [www.microbiotami.com](http://www.microbiotami.com)

## MicrobiotaMi 2023

### Milan, University of Milano-Bicocca - 3-4-5 april 2023

Last name ..... First name .....

Place and date of birth .....

Taxpayer code .....

Profession .....

Field .....

Employee  Self-employed  Participant  Unemployed

I request CME credits  I do not request CME credits

Other: **Microbiotami partner**  yes  no **I presented an abstract**  yes  no

#### INVOICE DATA

(MANDATORY):

Name/Company name .....

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Address of Institute/Division/Agency .....

Postal code ..... City ..... Prov./State .....

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#### PAYMENT METHODS

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made payable to Nadirex International S.r.l.  
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BIC: BCITITMM  
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*Please specify "MicrobiotaMi 2023"  
as reason for payment "*

Please charge the sum of € .....  
to my credit card:  Visa  
 Master Card  American Express  
Number .....

CV2 code .....

Expiration date .....

Cardholder (in block letters) .....

The undersigned declares that he/she:  
 HAS NOT been registered by a Commercial Sponsor  
 HAS been registered by the following Commercial Sponsor (*Azienda Farmaceu(Pharmaceutical Company or medical device manufacturer):* .....

*Please remember that the maximum number of educational credits obtainable by means of direct recruiting is one third (1/3) of the educational credits attributable to the 3-year reference period, and that the Provider must specify the sponsor's name in the indicated spaces when the report containing the list of participants in CME courses is compiled and sent to the competent bodies.*

Signature ..... Date .....

VAT Exemption request  
(Art. 10 section 20 of Italian Presidential  
Decree 637/72)

*Pursuant to Italian Legislative Decree 196/03, I authorise Nadirex International s.r.l. to process my personal data both in hard copy and in electronic form exclusively for purposes of the services related to the event, including relations with COGEAPS and AGENAS, in relation to CME certification.*

I also agree to receive the invitation to courses organised by Nadirex International s.r.l. yes  no

Signature ..... Date .....

N.B. PERSONAL DATA MUST BE PROVIDED CLEARLY, LEGIBLY, AND COMPLETELY BECAUSE THEY WILL BE TRANSMITTED FOR THE ATTRIBUTION OF CREDITS.  
For further information, please contact: Nadirex International s.r.l.  
Tel. +39 0382/525714 - Fax +39 0382/525736 - e-mail: [info@nadirex.com](mailto:info@nadirex.com) - [www.nadirex.com](http://www.nadirex.com)

REGISTRATION FEES	By March 10 <sup>th</sup> 2023	After March 10 <sup>th</sup> 2023
RES - MicrobiotaMi members	€ 244,00 (€ 200,00+44,00 VAT 22%)	€ 305,00 (€ 250,00+55,00 VAT 22%)
RES - Not MicrobiotaMi members	€ 305,00 (€ 250,00+55,00 VAT 22%)	€ 366,00 (€ 300,00+66,00 VAT 22%)
RES and FAD Congress Young Members of Microbiotami Association Under 35	€ 200,00 (€ 163,94+36,06 VAT 22%)	€ 244,00 (€ 200,00+44,00 VAT 22%)
FAD Congress	€ 250,00 (€ 205,00+45,00 VAT 22%)	€ 300,00 (€ 246,00+54,00 VAT 22%)

Seal .....

**Disclosure pursuant to Art. 13 of Italian Legislative Decree 196/2003 (Personal data protection code)** - For purposes of Italian Legislative Decree 196/03, we inform you that the above-requested personal data will be processed in order to compile the documents required to manage the meetings/courses in which you participate, and will be archived, stored, and possibly transmitted to third parties only for the above-specified purpose. For purposes of Art. 7 of Italian Legislative Decree 196/2003, you may exercise your rights at any time by contacting the data controller NADIREX INTERNATIONAL SRL, Via Riviera n. 39 - Pavia, Italy, and requesting the rectification or erasure of such data. I have read the disclosure and hereby consent to the processing of my personal data as specified above.

Date .....

Signature .....



## MicrobiotaMi 2023

Milan, University of Milano-Bicocca - 3-4-5 april 2023

Cognome ..... Nome .....

Luogo / Data di nascita .....

Codice Fiscale .....

Professione .....

Disciplina .....

Dipendente  Libero Professionista  Convenzionato  Privato di occupazione

Richiedo crediti ECM  Non richiedo crediti ECM

Altro: Socio Microbiotami  SI  NO **Ho presentato un abstract**  SI  NO

### DATI PER LA FATTURAZIONE

(OBBLIGATORI):

Nome/Ragione Sociale .....

Indirizzo .....

CAP .....

Città ..... Prov. ....

P. IVA .....

C. F. ....

Cod. Univoco .....

Istituto/Divisione/Ente .....

Indirizzo Istituto/Divisione/Ente .....

CAP ..... Città ..... Prov. ....

Tel. .... Cell. ....

Fax ..... E-mail .....

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Vi invio copia del bonifico bancario di € ..... intestato a Nadirex International S.r.l. sul c/c di Intesa Sanpaolo Filiale di Pavia Viale Cesare Battisti 18  
BIC: BCITITMM  
IBAN: IT66L030691131010000069654  
*Si prega di indicare come causale di versamento "MicrobiotaMi 2023"*

Vi prego di voler addebitare l'importo di € ..... sulla mia carta di credito:  Visa  Master Card  American Express

Numero .....

Codice CV2 .....

Data di scadenza .....

Titolare della Carta (in stampatello) .....

Il sottoscritto dichiara di:  NON essere stato iscritto da Sponsor Commerciale  ESSERE stato iscritto dal seguente Sponsor Commerciale (Azienda Farmaceutica o produttrice di dispositivi medicali): .....

*Si ricorda che il limite massimo di crediti formativi acquisibili mediante reclutamento diretto è di un 1/3 dei crediti formativi ricondotti al triennio di riferimento e che all'atto della compilazione e trasmissione agli enti competenti del report contenente l'elenco dei partecipanti ai corsi ECM il Provider dovrà indicare negli appositi spazi il nome dello sponsor.*

Firma ..... Data .....

*In base al D. Lgs. 196/03 autorizzo Nadirex International s.r.l. al trattamento dei miei dati personali sia in formato cartaceo sia in formato elettronico, ai soli fini dei servizi relativi all'evento compreso il rapporto con il COGEAPS e AGENAS, in relazione all'accreditamento ECM.*

Acconsento inoltre a ricevere l'invito dei corsi di Nadirex International s.r.l. SI  NO

Firma ..... Data .....

N.B. I DATI PERSONALI DEVONO ESSERE RIPORTATI IN MANIERA CHIARA, LEGGIBILE E COMPLETA, IN QUANTO SARANNO TRASMESSI PER L'ATTRIBUZIONE DEI CREDITI.  
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Tel. +39 0382/525714 - Fax +39 0382/525736 - e-mail: [info@nadirex.com](mailto:info@nadirex.com) - [www.nadirex.com](http://www.nadirex.com)

Richiesta di Esenzione IVA (Art. 10 comma 20 D.P.R. 637/72)

QUOTE DI ISCRIZIONE AL CONGRESSO		
	Entro il 10/03/2023	Dal 10/03/2023
RES - Soci MicrobiotaMi	€ 244,00 (€ 200,00+44,00 VAT 22%)	€ 305,00 (€ 250,00+55,00 VAT 22%)
RES - Non soci MicrobiotaMi	€ 305,00 (€ 250,00+55,00 VAT 22%)	€ 366,00 (€ 300,00+66,00 VAT 22%)
Congresso RES e FAD		
Giovani Membri MicrobiotaMi Under 35	€ 200,00 (€ 163,94+36,06 VAT 22%)	€ 244,00 (€ 200,00+44,00 VAT 22%)
Congresso FAD	€ 250,00 (€ 205,00+45,00 VAT 22%)	€ 300,00 (€ 246,00+54,00 VAT 22%)

Timbro .....

**Informativa ex art. 13 D.lgs. 196/2003 (Codice in materia di protezione dei dati personali)** - Ai sensi del Decreto legislativo 196/03 La informiamo che i dati personali sopra richiesti verranno trattati per l'adempimento degli atti relativi alla gestione dei meeting/corsi a cui partecipa e verranno archiviati, custoditi ed eventualmente comunicati a terzi esclusivamente per lo scopo sopra indicato. Ai sensi dell'art. 7 del D.lgs. 196/2003 potrà esercitare i Suoi diritti, in ogni momento, contattando il titolare del trattamento NADIREX INTERNATIONAL SRL, Via Riviera n. 39 - Pavia, chiedendo la rettifica o la cancellazione dei dati stessi. Letta l'informativa acconsento al trattamento dei miei dati personali come sopra indicato.

Data .....

Firma .....



## Notes

A series of horizontal dotted lines for writing notes, overlaid with a faint, colorful background pattern of various microorganisms and cells.

