

NGM 2012

2012 Joint International Neurogastroenterology and Motility Meeting

6 – 8 September 2012 // Bologna, Italy

Nuovo Polo Congressuale, Palazzo dei Congressi and Sala Maggiore



Preliminary Programme &
Call for Abstracts

www.ngm2012.org



European Society of Neuro-
gastroenterology and Motility



American Neurogastroenterology and Motility
Society/Functional Brain-Gut Research Group

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Important Dates

September 2011	► Opening Online Registration, Hotel Reservation
1 December 2011	► Opening Abstract Submission
31 March 2012	► Deadline Abstract Submission
30 June 2012	► Deadline Early Registration
20 August 2012	► Deadline Late Registration



Comune di Bologna – Piazza Maggiore

Photo credits

Front cover

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The European Society of Neurogastroenterology and Motility (ESNM) and the American Neurogastroenterology and Motility Society – Functional Brain-Gut Research Group (ANMS-FBG) would like to invite you to participate in the next Joint International Neurogastroenterology and Motility Meeting to be held on 6 – 8 September 2012 in Bologna, Italy (NGM 2012).

The purpose of this meeting is to bring together leading experts and emerging young investigators actively involved in neurogastroenterology, digestive motility and functional gastrointestinal diseases from all around the world to discuss cutting-edge research. The meeting is also aimed at attracting physicians and health care professionals with an interest in these common pathological conditions whose diagnosis and treatment require updated knowledge in this rapidly growing area of medicine. The scientific committee has produced an exciting and comprehensive programme. Attention has been paid to address basic, translational and clinical aspects of hot topics of neurogastroenterology including: molecular and environmental factors influencing neuromuscular and other components of the gut wall, stress mechanisms of gastrointestinal functional and motility disorders, pain mechanisms, nutrient/microbiome sensing and function, epidemiological, pathophysiological and clinical aspects of functional esophago-gastro-intestinal disorders in different parts of the world, new technologies for the assessment of esophago-gastro-intestinal motility and perception, shortcomings and promises of current and future therapies.

Home of the oldest University of the world, Bologna maintains the elegance of a wealthy medieval city. It is well connected to the rest of Europe by one of the largest airports in Italy and it is conveniently located in the heart of the country, only 30 to 180 minutes away from other main cities such as Florence, Venice, Milan and Rome, by train. September is a very pleasant period of the year in Italy and we hope the artistic and naturalistic beauties of the country will contribute to attract you to attend NGM 2012.

Looking forward to seeing you in Bologna and sharing with you this exciting meeting.

Vincenzo Stanghellini
Chair Organising Committee
on behalf of



Vincenzo Stanghellini

ESNM Members:

Inge Depoortere, David Grundy, Magnus Simren, André Smout

ANMS-FBG Members:

Lin Chang, Satish Rao, Kenton Sanders, Terez Shea-Donohue

LOCAL COMMITTEE Members:

Giovanni Barbara, Roberto DeGiorgio

About NGM

Hosting Societies

ESNM – European Society for Neurogastroenterology and Motility

► www.esnm.eu

ANMS-FBG – American Neurogastroenterology and Motility Society/
Functional Brain-Gut Research Group

► www.motilitysociety.org

endorsed by



ALMA MATER STUDIORUM
UNIVERSITY OF BOLOGNA



UNITED EUROPEAN
GASTROENTEROLOGY
FEDERATION

ESNM Secretariat

Wienerbergstr. 11/12A

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► www.esnm.eu

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Fax: +1-734-699 1136

Email: admin@motilitysociety.org

► www.motilitysociety.org



NGM 2012 Programme Committee

ESNM Members:

Chair: Vincenzo Stanghellini, Italy

Inge Depoortere, Belgium

David Grundy, UK

Magnus Simren, Sweden

André Smout, The Netherlands

ANMS-FBG Members:

Lin Chang, USA

Satish Rao, USA

Kenton Sanders, USA

Terez Shea-Donohue, USA

Local Committee Members:

Giovanni Barbara, Italy

Roberto De Giorgio, Italy

ESNM Steering Committee

President Fernando Azpiroz, Spain

Treasurer Paul Enck, Germany

Counsellors Qasim Aziz, UK

Benoit Coffin, France

Inge Depoortere, Belgium

Marcel Jimenez, Spain

Michael Schemann, Germany

Magnus Simren, Sweden

André Smout, The Netherlands

Vincenzo Stanghellini, Italy

Congress and Exhibition/Sponsor Office

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Email: ngm2012@cpo-hanser.de

www.cpo-hanser.de

Topics

- ▶ molecular and environmental factors influencing neuromuscular and other components of the gut wall
- ▶ stress mechanisms of gastrointestinal functional and motility disorders
- ▶ pain mechanisms
- ▶ nutrient/microbiome sensing and function
- ▶ epidemiological, pathophysiological and clinical aspects of functional esophagogastrintestinal disorders in different parts of the world
- ▶ new technologies for the assessment of esophago-gastrointestinal motility and perception
- ▶ shortcomings and promises of current and future therapies

Awards and Grants

A limited number of travel grants will be provided to investigators who had an abstract accepted for presentation (oral or poster), based on scientific quality of submission and career status (no more than 7 years from obtaining the degree and not as yet in an advanced position of basic science or clinical career).

CME Accreditation

The 2012 Joint International Neurogastroenterology and Motility Meeting is in the process of seeking approval from the European Accreditation Council for Continuing Medical Education in Brussels (EACCME) to provide continuing medical education (CME) credits to physicians for attendance at the scientific sessions. The EACCME is an institution of the European Union of Medical Specialists (UEMS). Following the agreement signed between the UEMS/EACCME and the American Medical Association, the EACCME credits are recognised as PRA Class 1 Credits by the AMA and vice versa.

Information for Italian Delegates

FISMAD – The Italian Federation of Digestive Diseases Societies

c/o GRUPPO SC

Studio Congressi – Servizi per la Comunicazione

Via Napoleone Colajanni, 4

00191 Rome, ITALY

Phone: +39-06-329 02 50

Fax: +39-06-36 30 68 97

www.grupposc.com

List of Titles of Lectures and Workshops

Lecture 1

- ▶ **Advances in clinical research**

Lecture 2

- ▶ **Advances in basic research**

Lecture 3

- ▶ **Neural mechanisms of visceral sensation**

Workshop 1

- ▶ **Marcello Tonini contribution to the study of the intestinal peristalsis**

Lecture 1: Contributions of Marcello Tonini to the study of peristalsis

Lecture 2: Mechanisms of motor pattern in the colon

Lecture 3: What mediators are important in peristalsis

Lecture 4: Remodelling of peristalsis in inflammation

Workshop 2

- ▶ **Controversies in smooth muscle electrophysiology**

Introductory and historical notes

Lecture 1: Fact

Lecture 2: Artifact

Lecture 3: Electrogastrography: Is it valid?

General discussion

Concluding remarks

Workshop 3

- ▶ **Stress mechanisms in GI functional and motility disorders**

Lecture 1: Epidemiology of acute and chronic stress on upper and lower FGID

Lecture 2: Neurobiological mechanisms of stress and emotions in FGID

Lecture 3: Molecular mediators of stress in FGID

Lecture 4: Molecular basis of the relationship between early life stress and FGID

Workshop 4

► Advances in structural biology, pathophysiology and diagnosis of the anorectum

- Lecture 1: Structure and function in neuroregulation of the anorectum
- Lecture 2: Artificial anal sphincter – A biologic plausibility
- Lecture 3: Pathophysiology of incontinence and dyssynergic defecation
- Lecture 4: High definition 3-D anorectal manometry – How useful?

Workshop 5

► Pain mechanisms

- Lecture 1: Ion channels in visceral pain
- Lecture 2: Central regulation of visceral perception
- Lecture 3: Peripheral mechanisms
- Lecture 4: Genetics of visceral pain

Workshop 6

► Nutrient sensing and endocrine function in the GI tract

- Lecture 1: Taste receptors and signalling in the GI tract
- Lecture 2: Nutrient sensing by enteroendocrine cells
- Lecture 3: Metabolic effects of GI hormones
- Lecture 4: Therapeutic modulation of satiety

Workshop 7

► Immune-nerve interactions

- Lecture 1: Immune modulation of visceral afferents
- Lecture 2: Immune modulation of the ENS
- Lecture 3: Ischemia/reperfusion and the ENS
- Lecture 4: Neuro-immune mechanisms: A translational view

Workshop 8

► Rise and fall of the enteric nervous system

- Lecture 1: New trends in the development of ENS
- Lecture 2: Development and degeneration of specific subsets of enteric neurons
- Lecture 3: Ongoing development of the ENS
- Lecture 4: Enteric neurodegeneration in obesity and diabetes

Workshop 9

► Esophageal and swallowing disorders

- Lecture 1: Swallowing-brain network in health and disease
- Lecture 2: Transcranial magnetic stimulation – A diagnostic and therapeutic tool in swallowing disorders
- Lecture 3: Newer understanding of EUS function with high resolution manometry
- Lecture 4: Neonatal development of swallowing function and reflexes

Workshop 10

► Moving beyond nerves and muscle

- Lecture 1: Fibroblast-like cells in purinergic neurotransmission
- Lecture 2: Spontaneous electrical activity of fibroblast-like cells
- Lecture 3: Mast cells and macrophages
- Lecture 4: Development and plasticity of ICC
- Lecture 5: Blood-brain barrier of the little brain

Workshop 11

► Peripheral mechanisms of IBS

- Lecture 1: Microbiota and other luminal factors
- Lecture 2: Intestinal gas: Mechanisms of symptom perception
- Lecture 3: Intestinal permeability
- Lecture 4: Immune activation

Workshop 12

► Shortcomings and promises of current and future therapies

- Lecture 1: Gastro-esophageal reflux disease
- Lecture 2: Functional dyspepsia
- Lecture 3: Irritable bowel syndrome
- Lecture 4: Functional constipation

Workshop 13

► Molecular and environmental factors in enteric neuropathies

- Lecture 1: Genetics of human enteric neuropathies
- Lecture 2: Epigenetic mechanisms in the ENS
- Lecture 3: GI involvement in CNS disorders
- Lecture 4: A new classification for GI neuromuscular disorders

Workshop 14

► Global and cross-cultural perspectives of FGID**

- Lecture 1: Asia
- Lecture 2: Latin-America
- Lecture 3: Middle East
- Lecture 4: Africa

General Information

NGM is the most important meeting on neurogastroenterology, digestive functions and relative pathological conditions to be held in the world. Abstract submissions for NGM are increasing year on year in both number and quality. Any effort is made for further improving the environment of both oral and poster presentations to allow your work to get the best possible quality exposure. Travel grants will be offered to young presenters of oral and poster communications, based on the scientific quality of the submitted abstracts. Accepted abstracts will be published in NEUROGASTROENTEROLOGY AND MOTILITY, the official journal of the European Society of Neurogastroenterology and Motility, the American Neurogastroenterology and Motility Society/Functional Brain-Gut Research Group, and online on the congress website www.ngm2012.org.

Rules for Submission

Participants are invited to submit original scientific abstracts for oral and poster presentation provided that the abstracts **have not been previously published as a full paper**. If you have submitted your paper to a journal for publication, please ensure that the publication date will be after the congress. Note that abstracts presented previously at national or international meetings may be submitted providing this is declared, but that we particularly welcome work not previously presented at international meetings.

Authors are requested to conform to guidelines for submission of abstracts. Abstracts not conforming to the guidelines will not be referred for review. The abstracts must be submitted in English and must also be presented in that language. Abstracts will be reviewed by a panel of experts and, if accepted, may be selected for oral or poster presentation (or may be rejected).

Submission of an abstract constitutes a formal commitment by the author to present the abstract in the session and at the time decided upon by the NGM Scientific Committee. Any change in the presenting author needs to be communicated in the form of a written statement. If the original presenting author is unable to present the abstract, it is that person's responsibility to ensure that one of the co-authors takes over this role. The registration fee for the presenting author will not be waived, but is considered valid for his/her replacement.

Notification of acceptance or rejection will be mailed to the submitting author at the e-mail address supplied in the course of the 2nd half of May 2012. Detailed information, guidelines and recommendations for oral or poster presentation, as well as time allotment, date, hour and venue, will be sent in advance to authors whose abstracts are accepted for presentation.

Registration to the Congress is compulsory to be able to present the abstract and get it published in the journal – and must be completed by **30 June 2012**.

Conflict of Interest

Abstract submission must be accompanied by a declaration of any potential conflict of interest for all authors, since it is in the intent of NGM to provide high-quality sessions focused on educational content that is free from commercial influence or bias.

Important Dates

Opening of Abstract Submission ► **1 December 2011**

Deadline for Abstract Submission ► **31 March 2012**

Steps How to Submit an Abstract

- Abstracts may be submitted only electronically by using the online form on the congress website www.ngm2012.org.
- Abstracts sent by mail, email or fax will not be accepted.
- The length of the abstract should not exceed 2,900 printable characters including author details, headers, punctuation and blank spaces.
- The abstract should be structured as indicated on the website. One table can be included.
- Abstracts can be saved in draft status and completed before the deadline.
- The submission system will generate a temporary submission number that must be used in all correspondence. If you do not receive this number immediately after your submission, your abstract has not been registered.
- Choose one primary topic listed on the website which best corresponds to the content of your abstract.
- Tick the relevant box corresponding to your preferred method of presentation. Note that the NGM Scientific Committee may or may not consider this choice.
- Please tick the box "Basic", "Translational" or "Clinical" that best applies to your abstract.
- If you need to withdraw your abstract, a written statement reflecting the reasons for this decision needs to be sent to ngm2012@cpo-hanser.de not later than 31 July 2012. Thereafter, NGM cannot make any changes within its printed matters.

Guidelines for Abstract Presentation

- A title that clearly indicates the nature of the investigation needs to be provided.
- Abbreviations should be avoided in titles, but may be used in the text if they are defined at first usage.
- The authors' names (full first names, family names) and places of work (institution, city, country) must be shown.
- The abstract should be as informative as possible:
 1. State the specific **objective** of the study
 2. State the **methods** used, if pertinent
 3. Summarise the **results** obtained
 4. State the **conclusions** reached
- Please ensure that your abstract does not contain spelling, grammatical or scientific errors, as it will be reproduced exactly as submitted.

Registration Fees

Registration and Payment received	by 30 June 2012	by 20 August 2012	after 20 August 2012
Member of ESNM or ANMS-FBG	EUR 350	EUR 475	EUR 600
Non-Member of ESNM or ANMS-FBG	EUR 400	EUR 525	EUR 650
Resident, Post-Doctoral Fellow*, Trainee*	EUR 150	EUR 200	EUR 300
Accompanying Person	EUR 100	EUR 100	EUR 100

* Applicants must be under 40 years of age and a certificate from the supervisor or Head of Department must be forwarded together with the registration.

Please register online for NGM 2012: www.ngm2012.org.

Registrations received after 20 August 2012 will be processed as on-site registrations.

Registration Fee for NGM Delegates, Residents, Post-Doctoral Fellows and Trainees includes:

- ▶ Admission to all scientific sessions (Thu – Sat, 6 – 8 Sept)
- ▶ Admission to poster exhibition and technical exhibition
- ▶ Admission to the Welcome Reception (Thu, 6 Sept)
- ▶ Congress materials (delegate bag, final programme, etc.)
- ▶ Coffee breaks and lunches (Thu – Sat, 6 – 8 Sept)

Registration Fee for Accompanying Persons includes:

- ▶ Admission to the Welcome Reception (Thu, 6 Sept)
- ▶ Half-day Bologna Sightseeing Tour

On-site Registration (after 20 August 2012)

Participants who would like to register on-site are advised to arrive early. On-site registration does not necessarily entitle the participants to receive a delegate bag and abstract document. On-site registration will be handled upon a first-come, first-served basis, priority will be given to pre-registered delegates.

Payment

When registering for NGM 2012, please arrange payment of the registration fee. All payments must be made in EUR. You can choose between two forms of payment, credit card payment or bank transfer. We strongly recommend credit card payment as charges for bank transfers may apply twice, once in the country of origin, and a second time in the target country.

Please transfer your registration fee to the following account:

- ▶ **Credit card** (AMEX, Eurocard/Mastercard, VISA)
- ▶ **Bank transfer** to the congress bank account:
CPO HANSER SERVICE GmbH w/NGM 2012 ZB
Deutsche Bank PGK AG
Account Number: 5 856 786 17
Bank Code: 100 700 24
IBAN: DE24 1007 0024 0585 6786 17
BIC (SWIFT CODE): DEUT DE DB BER

Confirmation

Upon receipt of the registration and the corresponding payment, the congress office will send a confirmation to the participant which also serves as an invoice. Please show this confirmation of registration at the congress counter when picking up your congress material.

Cancellation

In the event that the attendance at the congress is cancelled by 30 June 2012, the registration fee minus a processing fee of 25 % will be refunded. The attendee will have the option to prove that the expenditure for processing is less than 25 % of the registration fee. No refund will be made if the registration is cancelled at a later date. Please notify the congress office of your cancellation in writing.

General Information

Congress Venue

Nuovo Polo Congressuale, Palazzo dei Congressi and Sala Maggiore
Piazza della Costituzione N°4/a
40128 Bologna, ITALY
www.bolognacongressi.it

The city's largest convention centre is made up of the Palazzo della Cultura e dei Congressi and the brand new Sala Maggiore.

Located in one of Europe's most prominent trade fair districts, the Nuovo Polo Congressuale is a modular space that is vast in size and world-class in scope.

Its refurbished space, completely configurable to the exhibitor's needs, seats a total of 11,000 people and features large halls equipped to host exhibitions and receptions in an elegant yet modern setting.

Congress Registration Desk

The congress counter will be located on the ground floor of Sala Maggiore.

Preliminary Opening Hours

Thursday, 6 September, 2012 ► 11:00 – 20:00
Friday, 7 September, 2012 ► 07:00 – 19:30
Saturday, 8 September, 2012 ► 07:00 – 19:30

Poster Exhibition

Posters will be displayed from Friday, 7 September until Saturday, 8 September on the second floor of Sala Maggiore. Information regarding poster format, set-up and dismantling will be sent to the authors along with their notification of acceptance.

Technical Exhibition

The NGM will be accompanied by a major technical exhibition taking place on the first floor of Sala Maggiore. Potential exhibitors can request an exhibition/sponsoring brochure from the Congress and Exhibition/Sponsor Office, CPO HANSER SERVICE.

Email: ngm2012@cpo-hanser.de

Provisional Exhibition Hours

Friday, 7 September 2012 ► 09:00 – 18:00
Saturday, 8 September 2012 ► 09:00 – 18:00

Congress Language

The official language of NGM 2012 is English.

Congress Website

Further and updated information will be available on the Internet at **www.ngm2012.org**. Registration, hotel reservation and abstract submission are available online

Congress Information System

CO CONGRESS ONLINE®

For the NGM 2012 Meeting, the web based Congress Information System **CO CONGRESS ONLINE®** has been installed at **www.ngm2012.org**.

Prior to the congress **CO CONGRESS ONLINE®** will provide information on:

- Preparation of the congress
- List of topics
- Call for abstracts
- Preliminary scientific programme
- Accepted abstracts
- Satellite Symposia and Breakfast Meeting
- List of participants (who is who)
- List of exhibitors
- Supporting programme
- Congress venue
- Information about Bologna
- Hotel accommodation
- Travel to Bologna
- Special news
- Private mailbox

Final Programme and Abstracts

The final programme and abstracts will be published on the Internet at **www.ngm2012.org** prior to the congress. Participants will receive a copy of the final programme with their congress material on-site.

Press

For all press information please contact:
Congress and Exhibition/Sponsor Office

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14193 Berlin, GERMANY

Phone: +49-30-300 669 0

Fax: +49-30-305 73 91

Email: ngm2012@cpo-hanser.de

Invitation Letters

The congress will be pleased to send a formal letter of invitation to any individual requesting one. It is understood that such an invitation is intended to help potential delegates to raise funds or to obtain a visa. This does not imply a commitment neither from the ESNM nor from the ANMS-FBG to provide any financial support.

Please request invitation letters from the congress office CPO HANSER SERVICE well in advance but no later than **15 August 2012** as especially during the last weeks before the congress, processing time might vary.

The letters will be sent as email attachment. If an express delivery is required, the delegate shall order a courier at his/her own expense.

Visa

The entry formalities for Italy vary according to the country of origin.

All visitors entering Italy must have a passport that is valid for at least three months beyond the length of stay.

For citizens of the European Union Member Countries, a valid identity card is sufficient. Please address inquiries about entry and vaccination requirements to the Italian Consulate General or consult the website of the Ministry for Foreign Affairs in Italy.

Hotel Accommodation

AIM Group International is the official housing agency for the 2012 Joint International Neurogastroenterology and Motility Meeting.

AIM Group International

Accommodation Division

Via G. Ripamonti, 129

20141 Milan, Italy

Phone: +39-02-566011

Fax: +39-02-56609043

Email: ngm2012.hotel@aimgroup.eu

A major number of hotel rooms in different price categories have been reserved in Bologna for NGM 2012. Some hotels are available in the vicinity of the congress venue but most of the hotels are located in the city centre. The congress venue can be comfortably reached from all hotels by public transportation.

Congress participants are strongly recommended to book the hotel rooms they require through AIM Group International who offers extremely competitive net rates without any surcharge and booking conditions that will hardly be achievable when booking otherwise.

We advise to make your hotel reservation as early as possible in order to have the best choice of available hotels. Hotel reservations can be made online via the congress website: **www.ngm2012.org**

If you have any further questions about accommodation, please contact AIM Group International at: ngm2012.hotel@aimgroup.eu

Group Reservations

Group reservations (10 rooms minimum) will be handled by separate contracts and separate regulations. Please contact AIM Group International directly at ngm2012.hotel@aimgroup.eu for further information.

Social Events



Palazzo dei Congressi



Palazzo Re Enzo

Welcome Reception

Date: Thursday, 6 September 2012
Venue: Palazzo dei Congressi, Foyer Europa
Time: 20:00

All participants and accompanying persons are invited to the Welcome Reception of NGM 2012 taking place in the Foyer Europa at the congress venue Palazzo dei Congressi. The Welcome Reception offers the opportunity to meet colleagues from all over the world in a casual atmosphere. Typical Italian dishes and drinks will be provided.

Congress Dinner

Date: Friday, 7 September 2012
Venue: Palazzo Re Enzo
Time: 21:00

The Congress Dinner will take place at the Palazzo Re Enzo. Located in the heart of the medieval city centre of Bologna the historical building of the 13th century is one of Bologna's most prestigious venue. Experience the unique atmosphere of a very popular Bologna venue for official and informal celebrations. A typical Italian 3-course menu accompanied with local Italian wines will be served in the beautiful Salone del Podestà. Make your Congress Friday a special one and secure your tickets for this dinner well in advance.

Cost contribution per person: EUR 35

Registration for the Welcome Reception and the Congress Dinner is available online at the NGM 2012 congress website:
www.ngm2012.org

During NGM 2012, the officially appointed local partner AIM Group International will offer various guided tours in and around Bologna for participants and their accompanying persons. All tours are accompanied by an English-speaking guide.

Please note that all tours will start and end at the congress venue Nuovo Polo Congressuale, except for the post congress tours that will end in Florence.

Please check the congress website for dates, rates and online booking: www.ngm2012.org

Half-Day Tour: Bologna Historial Centre

Guided walking tour of Bologna historical centre. Starting from the heart of the town Piazza Maggiore, you will visit the major buildings such as Palazzo d' Accursio, Palazzo Re Enzo, Palazzo del Podestà, San Petronio, Fontana del Nettuno, Palazzo dei Notai and the magnificent Palazzo de' Banchi. Besides you will visit the Archiginnasio and the Teatro Anatomico, the two towers and Santo Stefano complex of 7 churches.



Bologna: Palazzo Comunale

Half-Day Tour: Ravenna

Departure from Bologna and arrival after 1,5 hour. Meeting with the English speaking guide and visit of the magnificent Byzantine mosaics for which Ravenna gained the award as UNESCO heritage. You will see Basilicadi San Vitale, Galla Placidia, Battistero Neoniano and S. Apollinare Nuovo.



Ravenna: Basilica San Vitale

Full-Day Tour: Motor Land – Ducati and Ferrari

Departure in the morning to Maranello. Arrival after 1 hour. Guided tour of the Ferrari Museum: The company's official museum collects cars, images and trophies of Ferrari's victories all over the world. The Galleria is divided into theme areas, and each one is capable to meet the expectations of race fans and expert connoisseurs of vintage cars: Formula One, Sports and Sports-Prototype cars, the GT world. Return to Bologna and stop for lunch at a typical restaurant. In the afternoon guided tour to Ducati Factory and Museum to admire the famous motorbikes. This permanent exhibition tells the racing history of Ducati by recreating, stage by stage, its most significant moments until nowadays.

Half-Day Tour: Cooking Class and Lunch

Four hours in the most famous Bolognese laboratory, during which each cooking class student will carry out kneading, rolling out pastry, basic stuffing and the preparation of the three most typical types of Bolognese pasta (tortellini, tortelloni, tagliatelle). Pasta made during classes will then be tasted at lunch.



Italian Pasta



Parmigiano Reggiano – Italian Cheese



Florence: Pontevecchio

Full-Day Tour: Gourmet Tour in Parma and Surroundings

Departure from Bologna, arrival after 1 hour and meeting with the English speaking guide. The first stop is a visit to a traditional Parmigiano Reggiano cheese producer.

You will witness first hand the production of this "King of Cheeses." Touch the milk, feel the steam and tap the wheels! A tasting session will follow at the end of the visit. Next, a short ride to the hills of Parma... you will visit a Prosciutto di Parma producer. You will find out why this hillside area, facing the Ligurian Sea is the only place in the world that can make this perfect product!

Visit to a local wine producer situated in the scenic hills of Parma. Tour of the cellar, followed by lunch and local wine tasting. An ample tasting of typical foods and wines in the winery's beautiful tasting room, overlooking the breathtaking DOC wine "Colli di Parma" vineyards and rolling hills. Departure to Bologna.

Full-Day Tour: Florence – Academia and Uffizi Gallery

Departure from Bologna in the early morning. First quick stop to the Piazzale Michelangelo to enjoy the view.

Private guided visit to the Academia Gallery. Full immersion with your private guide in the art of Michelangelo to know his most renowned work, the "David", and other important works of art such as "I Prigioni" and "San Matteo" and the "Palestrina Pietà". The young Michelangelo carved the David from a huge block of rough marble in three years, creating an imposing sculpture of absolute beauty, an icon of the renaissance model. He depicted a magnificent nude young man at the height of his physical vigor, whose intense expression of strength and courage, which originated from an absolute faith in God, rises as a symbol of power and invincibility of the Florentine Republic at the time of its maximum splendour. At the end of the tour you can remain in the museum to explore further at your leisure.

You can't leave Florence without visiting one of the most important art galleries in the world. Here you can admire

with your private guide numerous works of art by Botticelli, Michelangelo, Leonardo da Vinci, Raffaello, Giotto, Cimabue, Masaccio and many others. Among the precious exhibition halls of the Gallery, the most renowned one contains the refined works by Botticelli, amongst which the absolute masterpieces: "Primavera & Birth of Venus". The latter painting, the icon of the museum, represents the allegory of the birth of the goddess emerging from the sea foam and symbolises the ideal of beauty as an expression of purity and spiritual quality, typical of the Renaissance Neo-Platonism aesthetics. At the end of the tour you can remain in the museum to explore further at your leisure.

Departure from Florence to Bologna.

Booking Conditions

- ▶ Prior to NGM 2012 booking is only available online via the official NGM website www.ngm2012.org.
- ▶ Full payment in advance is required.
- ▶ All tours will be conducted in English.
- ▶ Exceptional circumstances beyond the control of AIM Group International may incur prices to be subject to change.
- ▶ All prices include the current VAT tax rate.
- ▶ Confirmations will be sent out upon receipt of full payment.
- ▶ Cancellation of tours are to be made in writing to AIM Group International.
- ▶ The tours are based on a minimum number of participants.
Tours will be cancelled if the minimum number is not reached. Full refunds will be available for tours which do not take place.
- ▶ Tours cancelled by the participant after 30 June 2012 cannot be refunded.
- ▶ No refund will be possible for included services not taken. Lost or unused tickets cannot be refunded.
- ▶ We accept no liability for loss, damage, delay, inconvenience, or direct or consequential loss, however caused, unless due to our employees negligence, in which case our liability is limited to a maximum of the tour cost.
- ▶ Tours will depart from the congress venue Nuovo Polo Congressuale.
- ▶ Any dispute arising from the contract shall be settled in accordance with the law of Italy.

AIM Group International will offer three different Post-Congress Tours after the congress, that will start in Bologna and end in Florence. **Online booking of the tours is available at the congress website:** www.ngm2012.org

Tuscany – Art and History 1

San Gimignano – Siena – Lucca – Pisa – Firenze

9 September 2012 ► Bologna – San Gimignano – Siena

Early in the morning, pick up from your Hotel in Bologna with your private bus and assistant. Departure to San Gimignano, arrival in this tiny city that has remained intact through the centuries, beautiful town, UNESCO world heritage, where you'll be given free time to visit the medieval town centre planning with the numerous and beautiful towers hence the name "Manhattan of the Middle Ages". Arrival in Siena and light lunch in a centre located restaurant. Siena guided visit in the afternoon for maximum 3 hours with English speaking guide. Your guide will bring you on a private tour of the old city centre: walking along the small medieval streets, admiring the splendid palaces and ending up at the Cathedral where you can visit the splendid interior including the Libreria Piccolomini. The guided tour will conclude in the Piazza del Campo, one of the most beautiful in the world, where you will find the Palazzo del Comune (exterior). Free time for your dinner (not included) and overnight in your 4* hotel centrally located.

10 September 2012 ► Siena – Lucca – Pisa

Buffet breakfast in your hotel and departure to Lucca where you'll be given free time to discover this fascinating town walking along his famous sixteen century walls, then entering into the enchanting historical centre you will have the chance to admire the amazing Piazza Anfitreato, the Torre Giunigi, the Duomo di San Martino and the typical "antique dealers' street". Arrival in Pisa and light lunch in restaurant. Pisa guided visit in the afternoon for maximum 2 hours: guided walking tour of Piazza dei Miracoli, with the

celebrated Leaning Tower (exterior), the Baptistery (exterior) and other important monuments. This is followed by a visit to the Cathedral (exterior), an unrivalled masterpiece of Romanesque art constructed between the 11th and 12th centuries. Those who are interested can continue for a pleasant walk with our tour guide and reach Piazza dei Cavalieri, where you can admire the historic Scuola Normale, one of the most famous universities in the world. Free time for your dinner (not included). Overnight in your 4* hotel centrally located.

11 September 2012 ► Pisa – Firenze

Buffet breakfast in your hotel. Bus transfer to Florence, to the airport for the guests who are leaving today or downtown for a guided walking tour, where you can visit: the Medici Chapels, and Basilica di S. Lorenzo, the church of Medici's Family. In a short time you can reach Piazza del Duomo, where you can admire the Cathedral (inside visit) and its dome by Brunelleschi, the bell-tower by Giotto, Saint John Baptistery with its Paradise Door. The tour continues by visiting the medieval quarters where Dante Alighieri and Beatrice lived. Further on you can find Palazzo del Bargello. Not too far, there is Piazza della Signoria, a great "open-air sculpture museum", overlooked by the imposing Palazzo Vecchio. Next to it the Uffizi Gallery, one of the most important museum all over the world. Then you proceed to the picturesque Mercato della Paglia (Strawmarket), where the famous Piglet Fountain is located. You walk along the street that leads to Ponte Vecchio, the "jewels bridge". By crossing the bridge, you will reach the wonderful Pitti Palace where the tour ends. Transfer to your hotel in Florence and end of our services.

San Gimignano © Pat on stock – Fotolia



Pisa © MasterLu – Fotolia



Tuscany – Art and History 2

San Gimignano – Siena – Arezzo – Cortona – Firenze

9 September 2012 ► Bologna – San Gimignano – Siena

Early in the morning, pick up from your hotel in Bologna with your private bus and assistant. Departure to San Gimignano, arrival in this tiny city that has remained intact through the centuries, beautiful town, UNESCO world heritage, where you 'll be given free time to visit the medieval town centre planning with the numerous and beautiful towers hence the name "Manhattan of the Middle Ages". Arrival in Siena and light lunch in a centre located restaurant. Siena guided visit in the afternoon for maximum 3 hours with English speaking guide. Your guide will bring you on a private tour of the old city centre: walking along the small medieval streets, admiring the splendid palaces and ending up at the Cathedral where you can visit the splendid interior including the Libreria Piccolomini. The guided tour will conclude in the Piazza del Campo, one of the most beautiful in the world, where you will find the Palazzo del Comune (exterior). Free time for your dinner (not included) and overnight in your 4* hotel centrally located.



Toscan Landscape © PANORAMO.de – Fotolia

10 September 2012 ► Siena – Arezzo – Cortona

Buffet breakfast in your hotel and departure to Arezzo where you 'll be given free time to discover this fascinating town which lies on a hill close to the mountains. As its architecture proves, Arezzo boasts its ancient origin first as one of the greatest Etruscan towns and then a strategic Roman city. The upper part keeps a remarkable medieval aspect with the Cathedral and the Medici Fortress. The Piazza Grande hosts annually the Giostra del Saracino, a tournament held on the third Sunday of June and the first Sunday of September. The Bacci Chapel in the Basilica di San Francesco houses the stunning Renaissance cycle of frescoes of the legend of the True Cross by Piero della Francesca. After the visit depart to Cortona, light lunch in a restaurant and in

the afternoon guided visit in his ancient town centre: The Basilica di Santa Margherita and the Franciscan Santuario delle Cella invite the visitor to follow an itinerary of art and faith starting from the upper side of Cortona. On the contrary, walking down via Nazionale, once Ruga Piana, the only flat street in town, you reach Piazza della Repubblica where are the Palazzo Comunale and Palazzo Casali, once mansion of the noble family now seat of the Museo dell'Accademia Etrusca (collection of Etruscan and Roman finds). At the north side of the town, opposite the Renaissance Cathedral, is the Museo Diocesano which contains works by great local artists like Luca Signorelli and an Annunciazione by Fra Angelico, one of his most beautiful works. Dinner and overnight in your 4* hotel.



Siena © fotowinnie – Fotolia

11 September 2012 ► Cortona – Firenze

Buffet breakfast in your hotel. Bus transfer to Florence, to the airport for the guests who are leaving today or downtown for a guided walking tour, where you can visit: the Medici Chapels, and Basilica di S. Lorenzo, the church of Medici's Family. In a short time you can reach Piazza del Duomo, where you can admire the Cathedral and its dome by Brunelleschi, the bell-tower by Giotto, Saint John Baptistery with its Paradise Door. The tour continues by visiting the medieval quarters where Dante Alighieri and Beatrice lived. Further on you can find Palazzo del Bargello. Not too far, there is Piazza della Signoria, a great "open-air sculpture museum", overlooked by the imposing Palazzo Vecchio. Next to it the Uffizi Gallery, one of the most important museum all over the world. Then you proceed to the picturesque Mercato della Paglia (Straw market), where the famous Piglet Fountain is located. You walk along the street that leads to Ponte Vecchio, the "jewels bridge". By crossing the bridge, you will reach the wonderful Pitti Palace where the tour ends. Transfer to your hotel in Florence and end of our services.

Chianti Wine and Food Tasting Tour Greve in Chianti – Colle Val D'Elsa – Certaldo

9 September 2012 ► Bologna – Greve in Chianti –
Tavarnelle Val di Pesa

Early in the morning, pick up from your hotel in Bologna with your private bus and assistant. Enter the heart of real Tuscany with medieval villages of incomparable charm, an ancient farming tradition that produces wine, cheese, cold cuts and excellent meat renowned and appreciated all over the world even today. The beauty of the landscape declines harmoniously where nature and the works of man have lived together for centuries in an unbeatable balance. Through the hilly expanses of the old vineyards and olive groves, which characterise the splendid Chianti territory we reach Greve where we you will enjoy the charm of its historic square flanked by open galleries and wander around the characteristic shops of local handicrafts and the typical Chianti products. Visit, lunch and tasting in a beautiful ancient castle. Then you will visit Castellina in Chianti, a characteristic ancient hamlet set on a hill and nestled between stretches of vineyards and olive groves and San Donato in Poggio, an ancient settlement in a fortified castle dating back to the eleventh century, which maintains part of its walls and a stunning Romanesque parish church. Dinner and overnight in 4* Villa in Tavarnelle Val di Pesa.



Italian Wine © fotolia.com – PXW

10 September 2012 ► Tavarnelle Val di Pesa – Cooking
Course – Colle Val d'Elsa – Certaldo

Buffet breakfast and Cooking Course with lunch (optional) in your hotel or departure to Colle Val d'Elsa and Certaldo, with free time for lunch (not included). Colle Val d'Elsa is a centre for art and culture near Siena with a population of over twenty thousand inhabitants. It sits between the hills and the river Elsa. Colle di Val d'Elsa is home to the 'Bianchi Bandin' Archaeological Museum, the Civic Museum of Sacred Art, Palazzo Campana and Palazzo Pretorio. The town's history goes back to the medieval era, although there is evidence of human settlements here as far back as the Neolithic Age. The first documented evidence of the town comes from the tenth century. At that time, the villages of Santa Caterina, Castello di Piticciano and Piano were

growing thanks to the nearby pilgrims' route, the Via Francigena. In Colle Val D'Elsa you can visit also The Cristal Museum. Certaldo: Inhabited since the Etruscan times, the name Certaldo derives from the Latin phrase "cerrus altus" or from the Germanic, "cerrus aldo," both meaning 'a rise covered in oaks.' In 1164, Emperor Frederick Barbarossa conceded an area of ruins to the Alberti Counts in Prato, thus allowing them to take possession of the area where Palazzo Pretorio now stands. In 1184, Certaldo came under the control of Florence. The family of Giovanni Boccaccio (1313 – 1375) lived in Certaldo during various periods. Dinner and night in 4* Villa in Tavarnelle Val di Pesa.

Optional Cooking Course Programme:

- 10:00 – Meeting with the Chef Paolo del Monte and visit to our local garden herbs
- 10:30 – 12:30 Cooking experience, we will show you the ingredients and how to prepare the typical and original recipes of the old Toscana. Menu:
 - Pappa al Pomodoro, bread tomato soup with basil and olive oil
 - Original fresh egg home made pasta Ravioli made with egg pasta filled with ricotta cheese and fresh spinach
 - Rabbit cooked with tomato and fresh potato with rosemary
 - Fillet of beef rolled with bacon and bay leaves with on top wine Chianti Classico Sauce Cantuccini biscuit from Prato
 - Tiramisù
- 12:30 – 14:30 Lunch Time!
You will have a lunch where you will eat the dishes prepared by your hands with local wines!

11 September 2012 ► Tavarnelle – Firenze

Buffet breakfast in your hotel. Bus transfer to Florence, to the airport for the guests who are leaving today or downtown for a guided walking tour, where you can visit: the Medici Chapels, and Basilica di S. Lorenzo, the church of Medici's Family. In a short time you can reach Piazza del Duomo, where you can admire the Cathedral and its dome by Brunelleschi, the bell-tower by Giotto, Saint John Baptistery with its Paradise Door. The tour continues by visiting the medieval quarters where Dante Alighieri and Beatrice lived. Further on you can find Palazzo del Bargello. Not too far, there is Piazza della Signoria, a great "open-air sculpture museum", overlooked by the imposing Palazzo Vecchio. Next to it the Uffizi Gallery, one of the most important museum all over the world. Then you proceed to the picturesque Mercato della Paglia (Straw market), where the famous Piglet Fountain is located. You walk along the street that leads to Ponte Vecchio, the "jewels bridge". By crossing the bridge, you will reach the wonderful Pitti Palace where the tour ends. Transfer to your hotel in Florence and end of our services.

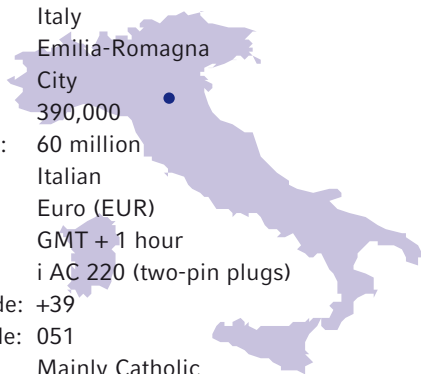
Information on Bologna

Bologna lies between the Po River and the Apennine Mountains of Northern Italy. The city is situated 52 km/32 miles south of Ferrara, 151 km/94 miles south-west of Venice and 378 km/234 miles north of Rome. It is the seventh largest city in terms of population and it is the heart of a metropolitan area of about 1,000,000 inhabitants. It is home to prestigious cultural, economic and political institutions as well as one of the most impressive trade fair districts in Europe. Bologna is well-known for its food and for its politics, and is now regarded to be one of the most attractive cities in Italy, being full of character. The beautiful city centre in Bologna is well preserved and maintained, and is a credit to the city's policy of preservation. The historic city of Bologna is divided up into districts and the city centre is separated from the rest of the city by large, ancient walls.

With unified architecture and marbled pavements, this charming Emilian city is well pedestrianised and easily explored by foot. From the city's two main squares Piazza Maggiore and Piazza del Nettuno located in the heart of Bologna, most of the city's main tourists attractions and historical monuments are within walking distance. Bologna is a thriving university city and the enormous University of Bologna is Europe's oldest, founded over 900 years ago.

Facts and Figures

Country:	Italy
Region:	Emilia-Romagna
Status:	City
Population:	390,000
Country population:	60 million
Language:	Italian
Currency:	Euro (EUR)
Time zone:	GMT + 1 hour
Electricity supply:	i AC 220 (two-pin plugs)
Country dialing code:	+39
Telephone area code:	051
Religion:	Mainly Catholic



Transportation between the Airport and the City

Guglielmo Marconi International Airport, 6 km outside the city centre, links Bologna with the main Italian and European airports. It is a major airport in Italy for the number of international destinations served, with modern technology for safety and environmental protection.

Visitors arriving at Guglielmo Marconi International Airport can reach the Central Station and the city center in 20 minutes by the Aerobus-BLQ line.

Public Transportation

Many distances in the historical centre of Bologna can be fast covered by foot. An efficient public transport system allows to go quickly anywhere in the city.

The Azienda Trasporti Consorziali Bologna (ATC Bologna Public Transport Authority) runs the public transport system in Bologna. The fleet comprises of 900 vehicles, half of which run on urban routes (buses, minibuses, and trolley buses), 150 on suburban routes and the remaining 300 on extra-urban routes.

City buses are frequent and cheap; tickets can be purchased at booths throughout town. Pick up a bus where you see a red sign saying ATC. There are a number of bus lines that link the most important points of the city, as well as the surrounding area. To travel it is necessary to buy a ticket before boarding – from tobacconist shops, at newspaper stands, at ATC offices or from automatic machines – as they are not sold on the bus. They must be stamped at the beginning of the journey. The central bus station is in Piazza XX Settembre, near the main train station.

The University and the centre of Bologna can be reached by bus no. 35 from the congress venue Nuovo Polo Congressuale. The frequency of the bus no. 35 is about every 15 minutes from 7 am to 8 pm.

Taxi

Most people prefer to use taxis for speed and comfort. Taxis are available at any time. The taxi trip from the airport to the city centre takes about 20 minutes.

Climate

Bologna's climate is fairly moderate, although it can reach extremes of heat in the summer. The city has a continental climate. Summers are long, hot and quite muggy due to the high humidity in this area while fall is in general, mild and rainy. Fall can also be subject to heavy rains at times.

Currency and Banking

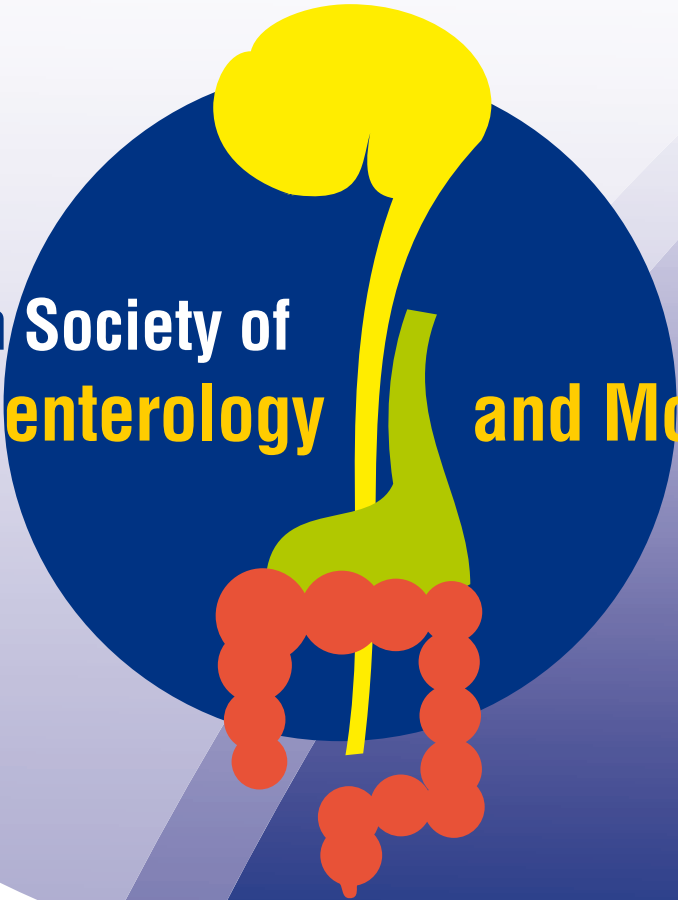
The Italian currency is the Euro (€).

You can pay by credit card in practically all shops, restaurants, museums, etc. as well as in cash, of course.

Banking hours of business are slightly variable in Bologna but are in general from 9 am to 4 pm with a two hour lunch break at midday from Monday to Friday.

Bank services are available at the airport and throughout the city of Bologna.

Furthermore, "Emilbanca" Bank is only a few minutes walk from the meeting venue. It is open from 8.30 am to 1.30 pm and from 2.30 pm to 4 pm.



European Society of Neurogastroenterology and Motility

THE MISSION

The mission of the European Society for Neurogastroenterology & Motility is to defend the interests of all professionals in Europe involved in the study of neurobiology and pathophysiology of gastrointestinal function.

AIMS OF ESNM ARE

- * To expand knowledge and interest in the field of neurogastroenterology and motility
- * To educate the younger generation of physicians in basic and clinical aspects in the field
- * To promote science and educational activities such as symposia, e-learning, and technical courses
- * To encourage basic and clinical research in the field of neurogastroenterology and motility
- * To establish the standards for good clinical practice and patient care

