



European Ligand Assay Society

"LIGAND ASSAY '97"

Advances in Immunoassay

*4th Scientific Meeting of ELAS,
3rd Annual Meeting of the Italian Section*



Congress Centre Torino Incontra
Torino, 18-20 June 1997

*the Scientific and Organizing Committees
would like to thank*

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for sponsoring this programme

FINAL PROGRAMME

Under the auspices of

- CNR - *Consiglio Nazionale delle Ricerche*
- *Istituto Superiore di Sanità*
- *Università degli Studi di Torino*
- FISMeLab - *Federazione delle Società Scientifiche Italiane nel settore della Medicina di Laboratorio*
- AMCLI - *Associazione Microbiologi Clinici Italiani*
- SIBioC - *Società Italiana di Biochimica Clinica e Biologia Molecolare Clinica*
- SIMEL - *Società Italiana di Medicina di Laboratorio*
- *Regione Piemonte*
- *Provincia di Torino*
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TIME TABLE LIGAND ASSAY '97

DATE	ROOM	TIME	
Wednesday 18 June	Cavour	10.30-13.00	General Assembly of ELAS
		14.15-14.30	Opening Ceremony
		14.30-17.30	Session I: New developments in Ligand Assay
Thursday 19 June	Giolitti	12.00-13.15	Workshop Ortho Clinical Diagnostics - Il sistema VITROS ECI nel laboratorio moderno di immunochimica
		18.00-19.00	General Assembly of the ELAS Italian Section
	Cavour	8.45-11.15	Session II: Total and free PSA
		11.30-12.15	Special Lecture: Inhibins and activins
		12.45-14.00	Workshop Abbott - Il cancro della mammella ed il laboratorio: la routine dai recettori ai marcatori
Friday 20 June		15.30-18.15	Session III: Immunoassay of heterogeneous analytes
	Giolitti	12.15-13.30	Workshop Cis Diagnostici - KRYPTOR: l'automazione progettata con la mente nel futuro
		14.00-15.15	Workshop Boehringer Mannheim Italia - Elettrochemiluminescenza: dalla teoria alla realtà dei sistemi Elecsys
	Einaudi	12.15-13.30	Workshop Bracco - Sistemi Merck MAGIA: aspetti analitici ed impatto organizzativo
		14.00-15.15	Workshop Chiron Diagnostics - Un approccio moderno al Laboratorio del 2000
Friday 20 June	Poster Area	14.00-15.30	Poster Session
	Cavour	8.45-10.00	Session IV: New trends in clinical toxicology
		10.10-13.30	Satellite Symposium Eurogenetics Tosoh - La nuova dirigenza nella medicina di laboratorio: realtà europee a confronto
		14.30-17.15	Session V: Trends and issues in the laboratory of clinical endocrinology
	Giolitti	12.15-13.30	Workshop Sorin Biomedica Diagnostics - New trends in the management of the bladder cancer
	Einaudi	12.15-13.30	Workshop Bayer - Diagnostic panels in automated immunochemistry

Scientific Programme

Wednesday, 18 June 1997

14.15-14.30 Opening Ceremony • Cavour room

14.30-17.30 Session I • Cavour room

"New developments in Ligand Assay"

Coordinator: R. Ekins (London, UK)

Chairman: M. Pazzagli (Firenze, Italy)

Invited lectures

14.45 TRACE, a new homogeneous assay methodology using Rare Earth Cryptates. Applications in immunoassays and for probing molecular interactions in biology

G. Mathis (Bagnols sur Cèze, France)

15.15 Advantages afforded by miniaturization of bioanalytical instruments

M.A. Northrup (Livermore-CA, USA)

15.45 Microspot®: a highly integrated microarray system - present status

H. Berger (Tutzing, Germany)

16.15 Discussion

16.30 Coffee break

Selected communications

17.00 Quantitative polymerase chain reaction homogeneous assay with fluorogenic probes to measure c-erbB-2

C. Orlando (Firenze, Italy)

17.15 Molecular imprinting: a way to prepare artificial polymers with antibody-like properties

C. Baggiani (Torino, Italy)

8.45-11.15 Session II • *Cavour room*

"Total and free PSA"

Coordinator: *M. Gion* (Venezia, Italy)

Chairman: *E. Bombardieri* (Milano, Italy)

Invited lectures

9.00 Biochemistry of PSA: a background for clinical applications

U.H. Stenman (Helsinki, Finland)

9.30 Guidelines for the clinical use of PSA

S. Rocca Rossetti (Torino, Italy)

10.00 Diagnostic role of free/total PSA.

A multicentric Italian study

M. Gion (Venezia, Italy)

10.30 Discussion

Selected communications

10.45 Assessment of free serum prostate specific antigen (fPSA) and the proportion free/total (F/T) PSA in advanced prostate cancer (PC) patients

A. Berruti (Torino, Italy)

11.00 Consistent clinical performance of different assays of total PSA and free/total PSA ratio measurement

A. Fortunato (Vicenza, Italy)

11.15 Coffee break

11.30-12.15 Special Lecture • *Cavour room*

"Inhibins and activins"

Coordinator: *P.P.C.A. Menheere* (Maastricht, The Netherlands)

Chairman: *J. Collette* (Liège, Belgium)

11.45 New ultrasensitive enzyme immunoassays for inhibins and activins and their potential clinical applications

N. Groome (Oxford, UK)

12.15-14.00 Lunch

14.00-15.30 Poster Session • *Poster Area*

Coordinator: *R. Malvano* (Torino, Italy)

At least one of the authors, preferably the presenting author, should be attending the Poster Session.

15.30-18.15 Session III • *Cavour room*

"Immunoassay of heterogeneous analytes"

Coordinator: *Ch.A. Bizollon* (Lyon, France)

Chairman: *R. Ekins* (London, UK)

Invited lectures

15.45 Uncertainties in immunoanalysis of proteohormones

P. Carayon (Marseille, France)

16.15 Bioassay and immunoassay for pituitary glycoprotein hormones: relevance to clinical endocrinology

P. Beck Peccoz (Milano, Italy)

16.45 Coffee break

17.00 Practical implications of protein hormone heterogeneity in immunoassay in the clinical laboratory

J. Seth (Edinburgh, UK)

17.30 The problem of standardization of immunoassays for heterogeneous analytes: follicle stimulating hormone (FSH) as the classic example

M. Rose (South Mimms, UK)

18.00 Discussion

Friday, 20 June 1997

8.45-10.00 Session IV • *Cavour room*
"New trends in clinical toxicology"

Coordinator: *L. Leone* (Torino, Italy)

Chairman: *G. Poli* (Torino, Italy)

Invited lectures

8.45 Bi-specific monoclonal antibodies: a new tool for
in vivo diagnosis and therapy
F. Malavasi (Ancona, Italy)

9.10 Effect of digoxin-specific Fab therapy on
digoxin immunoassays
F. Zoppi (Milano, Italy)

Selected communication

9.35 Immunoassay of amphetamines: the challenge
goes on
F. Luceri (Firenze, Italy)

9.50 Discussion

13.00-14.30 Lunch

Friday, 20 June 1997

14.30-17.15 Session V • *Cavour room*
**"Trends and issues in the laboratory
of clinical endocrinology"**

Coordinator: *A. Angeli* (Torino, Italy)

Chairman: *J.S. Woodhead* (Cardiff, UK)

Invited lectures

14.45 New biochemical markers of bone turnover
P. Garnero (Lyon, France)

15.15 Rhythms and pulses: the biological variability of
circulating hormones
A. Angeli (Torino, Italy)

15.45 Coffee break

16.00 The communication between the immune and
neuroendocrine systems
R.C. Gaillard (Lausanne, Switzerland)

16.30 Discussion

Selected communications

16.45 Endogenous anti-insulin antibodies and insulin
assays: a persistent problem
R. Sapin (Strasbourg, France)

17.00 Cytokines mRNA expression studies by
competitive RT-PCR
F. Rancon (Saint-Etienne, France)

Friday, 20 June 1997

- 10.10-13.30 Satellite Symposium
sponsored by EUROGENETICS TOSOH
• *Cavour room*
"La nuova dirigenza nella medicina di laboratorio: realtà europee a confronto"

Chairmen: *G. Federici* (Roma, Italy)
G. Marchiari (Torino, Italy)

10.10 Benvenuto Eurogenetics Tosoh

10.30 La formazione della nuova dirigenza di laboratorio in Italia
G.C. Fiorucci (Torino, Italy)

10.55 La nuova dirigenza nella medicina di laboratorio in un grande complesso ospedale-università: Azienda Ospedaliera San Giovanni Battista di Torino
R. Pagni (Torino, Italy)

11.20 La realtà dei ruoli professionali nel Servizio Sanitario Italiano
F. Pecchio, P.G. Pich (Torino, Italy)

11.45 La realtà dei ruoli professionali nel Servizio Sanitario Spagnolo
A. Ballesta (Barcelona, Spain)

12.10 La realtà dei ruoli professionali nel Servizio Sanitario Francese
J. Delattre (Paris, France)

12.35 Ruolo e nuove funzioni delle società scientifiche nella formazione ed aggiornamento professionale e nel promuovere garanzie di qualità
P. Mocarelli (Desio, MI, Italy)

13.00 Discussione

13.15 Conclusione dei lavori

Wednesday, 18 June 1997

- 12.00-13.15 Workshop ORTHO CLINICAL DIAGNOSTICS
• *Giolitti room*
"Il sistema VITROS ECI nel laboratorio moderno di immunochimica"

Chairmen: *M. Plebani* (Padova, Italy)
M. Migliardi (Torino, Italy)

- L'automazione al servizio della qualità del dato e delle esigenze di produttività del laboratorio: il sistema VITROS ECI
R. Mauti (Milano, Italy)
- L'importanza della qualità analitica nel laboratorio che cambia:
 - l'esperienza dell'ospedale San Lazzaro di Alba
G. Micca (Alba, CN, Italy)
 - l'esperienza dell'ospedale Bassini di Cinisello Balsamo
A. Lovagnini (Milano, Italy)

Ortho Clinical Diagnostics è lieta di offrire un buffet a coloro che parteciperanno al workshop

Thursday, 19 June 1997

- 12.15-13.30 Workshop BRACCO
• *Einaudi room*
"Sistemi Merck MAGIA: aspetti analitici ed impatto organizzativo"

Chairmen: *G. Banfi* (Milano, Italy)
G. Vignati (Magenta, MI, Italy)

- Sistemi Merck MAGIA: una proposta completa
L. Nava (Milano, Italy)
- Merck MAGIA 8000: automazione della routine in immunoenzimatica
C. Mazza (S.Giovanni in Persiceto, BO, Italy)
- Determinazioni di marcatori tumorali nel siero con strumentazione Merck MAGIA 120: valutazioni analitiche preliminari
A. Morelli (Milano, Italy)

Thursday, 19 June 1997

12.15-13.30 Workshop CIS DIAGNOSTICI

- *Giolitti room*

"KRYPTOR: l'automazione progettata con la mente nel futuro"

Chairmen: *A. Cianetti* (Roma, Italy)
G.C. Zucchelli (Pisa, Italy)

- KRYPTOR: l'immunoanalizzatore del domani, disponibile oggi
B.E. Hickey (Saclay, France)
- KRYPTOR: risultati dello studio multicentrico internazionale
G. Aimo (Torino, Italy)
- Valutazione della funzionalità del KRYPTOR secondo i criteri di Stockmann
M. Plebani (Padova, Italy)

Thursday, 19 June 1997

12.45-14.00 Workshop ABBOTT

- *Cavour room*

"Il cancro della mammella ed il laboratorio: la routine dai recettori ai marcatori"

Chairmen: *C. Dotti* (Reggio Emilia, Italy)
L. Romano (Napoli, Italy)

- Valutazioni cliniche sul CA 15.3 Axsym e IMX: un marcatore consolidato
G. Manderino (Chicago, USA)
- Recettori 1997: parametro di routine; ma ne sappiamo veramente tutto?
M. Gion (Venezia, Italy)

Thursday, 19 June 1997

14.00-15.15 Workshop BOEHRINGER MANNHEIM ITALIA

- *Giolitti room*

"Elettrochemiluminescenza: dalla teoria alla realtà dei sistemi Elecsys"

Chairmen: *F. Pecchio* (Venaria, TO, Italy)
O. Merz (Trento, Italy)

- Risultati di uno studio multicentrico internazionale per gli ormoni della fertilità Elecsys
C. Ebert (Penzberg, Germany)
- PSA e PSA Free prime esperienze in elettrochemiluminescenza con Elecsys
G. Aimo (Torino, Italy)
- Evoluzione del programma Elecsys
E. Beretta (Monza, MI, Italy)

Thursday, 19 June 1997

14.00-15.15 Workshop CHIRON DIAGNOSTICS

- *Einaudi room*

"Un approccio moderno al laboratorio del 2000"

Chairmen: *A. Fortunato* (Vicenza, Italy)
G. Messeri (Firenze, Italy)

- ACS: Centaur: L'automazione e l'organizzazione del lavoro in un moderno Laboratorio Analisi
A. Fortunato (Vicenza, Italy)
- ACS: DPD: un marcatore del metabolismo osseo in completa automazione
R. Dorizzi (Verona, Italy)
- MARCATORI MUCINICI: metodi a confronto
R. Alfieri (Torino, Italy)

Friday, 20 June 1997

12.15-13.30 Workshop SORIN BIOMEDICA DIAGNOSTICS

- *Giolitti room*

"New trends in the management of the bladder cancer"

Chairmen: *A. Cianetti* (Roma, Italy)
F. Pecchio (Venaria, TO, Italy)

- Development of a quantitative assay for a new bladder tumour marker
D. Enfield (USA)
- Clinical usefulness of a new biochemical marker of bladder cancer
P. Bassi, M. Plebani (Padova, Italy)
- Clinical evaluation of a new urine tumour marker for bladder
G. Priolo, G. Aimo (Torino, Italy)

POSTERS

Friday, 20 June 1997

12.15-13.30 Workshop BAYER

- *Einaudi room*

"Diagnostic panels in automated immunochemistry"

Chairmen: *G.C. Fiorucci* (Torino, Italy)
G. Trucco (Chivasso, TO, Italy)

- The immuno 1 assay panel for assessment of AMI
E. Reitenberger (Uerdingen, Germany)
- The use of immunoassay panels in the diagnosis of cancer
D. Very (Terrytown, NY, USA)
- Free thyroid hormones
G. Banfi (Milano, Italy)

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- 02 PREPARATION AND STUDY OF OLIGOPEPTIDE MIXTURES WITH BINDING PROPERTIES TOWARDS ESTRADIOL OBTAINED BY A TEMPLATE POLYMERIZATION TECHNIQUE
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- 03 * QUANTITATIVE POLYMERASE CHAIN REACTION HOMOGENEOUS ASSAY WITH FLUOROGENIC PROBES TO MEASURE c-erbB-2 ONCOGENE AMPLIFICATION
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- 06 VALUTAZIONE DI UN NUOVO METODO PER IL DOSAGGIO DEL PSA LIBERO AxSYM: Free PSA
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- 07 PERFORMANCE CHARACTERISTICS AND CLINICAL EVALUATION OF THE AxSYM FREE PSA ASSAY
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- 08 PERFORMANCE CHARACTERISTICS AND CLINICAL EVALUATION OF THE AxSYM TOTAL PSA ASSAY
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- 11 ONE-STEP IRMA ASSAYS FOR SPECIFIC DETERMINATION OF FREE AND TOTAL PSA
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- 12 VALIDITA' DIAGNOSTICA DEL RAPPORTO fPSA/TPSA NELLO SCREENING DI PCa SUBCLINICO
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- 13 * CONSISTENT CLINICAL PERFORMANCE OF DIFFERENT ASSAYS OF TOTAL PSA AND FREE/TOTAL PSA RATIO MEASUREMENT
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* Selected for oral presentation

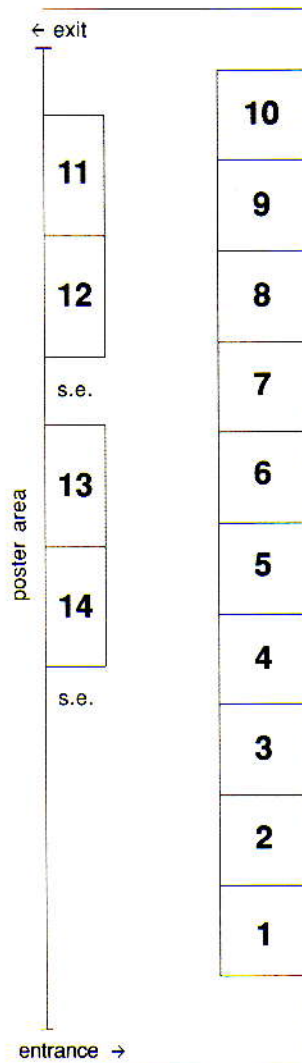
P.S. The number refers to the panel where the poster is displayed

All posters presented will be eligible for the "Molecular Light Technology Prizes for Innovation in Immunodiagnosics", which will be awarded to the two best poster presentations.

Authors will be notified during the meeting.

The prizes are sponsored by
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Exhibition Area



Exhibitors

- 1-2 CIS DIAGNOSTICI
3-4 ICN BIOMEDICALS
5 ORTHO CLINICAL DIAGNOSTICS
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8 BECKMAN ANALYTICAL
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Poster addendum

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General Information

Venue

Congress Centre "Torino Incontra"
Via Nino Costa 8 - 10123 Torino, Italy
Phone +39-11-5617300 - Fax+39-11-5617039

How to reach the Congress Centre "Torino Incontra"

- from "Porta Nuova" railway station: 10 minutes walking
- from "Porta Susa" railway station: 10 minutes by taxi
- from the Torino/Caselle airport: busses to "Porta Nuova" station leave every 30-45 minutes (40 minutes plus 10 minutes walking)

Registration Desk

The registration desk will be open at the Congress Centre during the following hours:

Wednesday 18	11.30 - 18.00
Thursday 19	8.30 - 18.00
Friday 20	8.30 - 18.00

Official Language

The official language of the meeting will be English.
A few sessions will be held in Italian.

Simultaneous translation

Simultaneous translation from English into Italian and vice versa will be provided during the sessions that will be held in the Cavour room.

Badge

A badge with the participant's name will be provided with the registration.

Participants are kindly requested to wear their badge throughout the Meeting.

Certificate of attendance

Certificates of attendance will be available on request at the registration desk at the end of the meeting.

Commercial Exhibition

The meeting will include an exhibition at the Torino Hall.
Exhibit hours are:

Wednesday 18	14.00 - 18.00
Thursday 19	8.30 - 18.00
Friday 20	8.30 - 14.30

Social Event

The Social Event will be held on Thursday 19 at the "Palazzina di caccia" of Stupinigi, close to Torino.

Busses will depart from the Congress Centre at 18.30 (at the end of the afternoon sessions).

After a guided visit to the "Palazzina di caccia", a refreshment will be offered to all participants.

During the reception, the two best poster presentations will be awarded the "Molecular Light Technology Prize for Innovation in Immunodiagnostics".

Return to the hotels: 22.30.

Participation in the Social Event is included in the registration fee; tickets for accompanying persons will be available at the registration desk, and can be purchased until Thursday at 12.00.

Registration

- Participants registration fee: ITL. **400.000** (VAT incl.)
- ELAS members registration fee: ITL. **320.000** (VAT incl.)

The registration includes:

- admission to all scientific sessions
- congress material
- proceedings (included in *Ligand Assay*)
- entrance to the exhibition area
- admission to the Social Event on Thursday 19
- coffee breaks and luncheons on Thursday and Friday

Registration forms must be sent to:

BIOMEDIA srl - *Ligand Assay '97*
Via C. Farini 70 - 20159 Milano, Italy - fax +39-2-69001311

Please note that registration forms without the corresponding payment will not be accepted.

Methods of payment

- Cheque payable to *Biomedica srl**
- Bank transfer in favour of *Biomedica srl** (copy of payment must be enclosed): CARIPLO Bank Ag.12 - Via Farini, Milano c/c n. 15979/1 - ABI 06070 CAB 01612
- Credit card (VISA, Mastercard, Eurocard, American Express): complete authorization on the registration form

* Please add ITL 10.000 to cover bank charges

Accommodation

Hotel reservations and payments will be confirmed by:

Biomedica srl - Phone +39-2-69001316 - Fax +39-2-69001311

Please indicate your preferences on the registration form.

Approximate rates are given per night/per room, and include breakfast (see details on the registration form).

No additional taxes will have to be calculated.

Acknowledgements

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