Pharmacological strategies
to overcome multidrug resistance
in cancer chemotherapy

3rd Annual Symposium

14th November 2006
Certosa di Pontignano
Siena

Organization:
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Secretariat:
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Pharmacological strategies to overcome multidrug resistance in cancer chemotherapy

Certosa di Pontignano, Siena
Tuesday, 14th November 2006

PROGRAMME

9.00 – 10.00  Registration
9.30  Welcome to the participants

F. Corelli, Dean of Pharmacy School, University of Siena, Italy
M. Panczel, Hungarian Embassy at Rome, Italy
G. Sgaragli, University of Siena, Italy

Morning session

Chairmen:  F. Gualteri (Firenze) M.G. Cacace (Siena)

10.00 – 10.30  Permeability-glycoprotein: introductory outlines

G. Sgaragli, University of Siena, Italy

10.30 – 10.50  Synthesis of some new 4-substituted-1,4-dihydropyridines

F. Ponticelli, University of Siena, Italy

10.50 – 11.15  Coffee break

Chairmen:  G.P. Gervasi (Pisa) M. Valoti (Siena)

11.15 – 11.45  Isomeric N,N-dicyclohexane-4-ol-amine aryl esters: the discovery of a new class of highly potent and efficacious Pgp-dependent MDR inhibitors

E. Teodori, University of Florence, Italy

11.45 – 12.15  Taxuspines as New Multi-Drug Resistance Reversing Agents

M. Botta, University of Siena, Italy

12.30 – 14.00  Lunch break
Afternoon session

Chairmen: E. Mini (Firenze), F. Fusi (Siena)

14.00 – 14.30 Interactions between DP7, a new powerful P-gp inhibitor, and rat/human liver microsomal CYPs
M. Valoti, University of Siena, Italy

14.30 – 14.45 MDR reversal activity of Anastasia Black (Russian Black sweet pepper) extracts and fractions on MDR1 gene transfected mouse lymphoma cells
Z. Schelz, University of Szeged, Hungary

14.45 – 15.00 Inhibition of P-gp/ATPase activity of rat small intestine membrane vesicles by the novel, dihydropyridine MDR reverter DP7
D. Alderighi, University of Siena, Italy

15.00 – 15.15 Reversal of ABC-transporter mediated multidrug resistance from bacteria to cancer cells
G. Spengler, University of Szeged, Hungary

15.15 – 15.45 Closing of the meeting

This meeting was organized by the Dipartimento di Scienze Biomediche dell'Università degli Studi di Siena within the frame of legge 401/90 – Ministero degli Affari Esteri (Direzione Generale per la Promozione e la Cooperazione Culturale) and, also, on account of the teaching activity planned for the Scuola di Dottorato di Ricerca in Fisiologia - Farmacologia - Tossicologia Molecolare e Cellulare.