



**34<sup>th</sup> MEETING  
OF THE  
EUROPEAN TISSUE  
CULTURE SOCIETY  
ETCS**

**HEIDELBERG  
OCTOBER 8-10, 1986**

**Programme**



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## Programme Outline

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The main topics of the meeting will be introduced by plenary lectures in morning symposia. Selected aspects will be discussed in more detail in afternoon seminars including the posters with corresponding topics.

<b>Locations</b>	Symposia	Room 1	I Floor
	Seminars	Room 2 + 3	II Floor
		Room 4	III Floor

### Tuesday, October 7

16.00 – 19.00 Registration  
Kongresshaus Stadthalle Heidelberg

**Room 1** Mounting of posters

19.00 – 21.00 Welcome reception  
**Room 1**

### Wednesday, October 8

8.30 Opening session  
**Room 1** Welcome addresses

9.00 – 12.30 **Symposium I**  
**Room 1** Regulation of cell proliferation and differentiation

13.00 Lunch

14.00 Poster presentation

15.00 – 18.00 **Concurrent seminars 1-3**  
(with 20 minute coffee break between 16.00 and 17.00)

**Room 2** **Seminar 1:**  
Epithelial differentiation in vitro

**Room 3** **Seminar 2:**  
Differentiation in bone and cartilage cultures

**Room 4** **Seminar 3:**  
Endothelial and smooth muscle cells

18.15 – 19.30 ETCS Council Meeting  
**Room 2**

20.00 Wine-tasting party (advance ticket reservation required)  
**Restaurant**

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**Thursday, October 9**

- 8.30–12.30 **Symposium II**  
**Room 1** Oncogenes, chromosomes and malignant cell transformation
- 13.00 Lunch
- 14.00 Poster presentation
- 15.00–18.00 **Concurrent seminars 4-6**  
(with 20 minute coffee break between 16.00 and 17.00)
- Room 2 Seminar 4**  
Spontaneous and induced transformation in vitro
- Room 3 Seminar 5**  
Hormonal control of cell growth and differentiation
- Room 4 Seminar 6**  
Defined culture conditions for large scale application
- 18.15–19.30 ETCS Business Meeting  
**Room 2**

**Friday, October 10**

- 9.00–12.30 **Symposium III**  
**Room 1** Culture models in pharmacology and toxicology
- 13.00 Lunch
- 14.00 Poster presentation
- 15.00–18.00 **Concurrent seminars 7-9**  
(with 20 minute coffee break between 16.00 and 17.00)
- Room 2 Seminar 7**  
Chromosomal alterations and cell transformation
- Room 3 Seminar 8**  
Cell cultures as toxicological screening systems
- Room 4 Seminar 9**  
Models for invasion and metastasis (together with C.T.O.C.)
- 20.00–22.00 **Seminar 10**  
**Room 2** Cell cultures in pharmacology
- Followed by beer and pretzels

**Saturday, October 11**

- Room 2** XXIV Annual Meeting of the Cell Tissue and Organ Culture Study Group (C. T. O. C.)  
(See special programme)

**IM Friday, October 10**

**Seminar 9 MODELS FOR INVASION AND METASTASIS**

**Room 4** Organizers and Chairpersons:  
**Leo de Ridder, Peter A. Jones**  
15.00 – 18.00 (with C.T.O.C.)

- IM 1 **L. J. Erkell** and V. Schirmmacher  
A double filter in vitro invasion assay
- IM 2 **T. Bräuner** and D. F. Hülser  
Intercellular communication and invasiveness of malignant cells  
in a threedimensional culture system
- IM 3 **M. Erdel**, H.-O. Werling and W. Ebert  
Invasion in vitro of human lung by human lung tumor cell lines
- IM 4 **P. K. Das**, F. Karten, J. Spies, H. Volkers, E. A. J. M. de Jong,  
M. E. I. Schipper and N. F. Dabhoiwala  
Long term organotypic culture of normal and tumor of human bladder  
and immunophenotyping
- IM 5 **P. A. Jones**, L. Dubeau, T. Ahlering and L. Allen  
Invasive activities of urothelial tumors in vivo and in vitro
- IM 6 **R. Beaupain**, S. Chevillard, H. Magdelenat and J. Coppey  
Effects of TPA and misonidazole on growth, DNA synthesis and plasminogen  
activator production of human cancer nodules maintained in organ culture
- IM 7 **M. Bracke**, V. Castronovo, R. Van Cauwenberge, G. De Pestel, P. Coopman  
J.-M. Foidart and M. Mareel  
The interaction of invasive cells with laminin can be altered by conversion  
products of (+)-catechin in liquid culture

**Poster-Discussion**

- IM 7 **A. Sacchi**, R. Falcioni and G. Zupi  
Different expression of a 180 protein on murine variants endowed with  
different metastatic potential
- IM 9 **K. Römisch**, J. Zoller and E. G. Bade  
In vitro migration and malignant phenotype of rat liver epithelial cells
- IM 10 **R. Neumeier**, J. W. Mauck, C. Hanski and W. Reutter  
Comparison of adherent and non-adherent variants of hepatoma cells
- IM 11 **J. Tautt**, B. Chlopkiewicz and J. Koziorowska  
Effects of retinoic acid on fibrinolytic activity in different cell systems
- IM 12 **G. Brunner** and V. Schirmmacher  
Production and secretion of urokinase and trypsin-like proteinases  
by mouse lymphoma cells of high or low metastatic capacity

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**IM**

**Friday, October 10**

- IM 13      **R. Benke**, G. Brunner, L. J. Erkell and V. Schirmacher  
Separation of tumor cell subpopulations with high and low motility  
from a metastatic tumor line
- IM 14      **S. Chevillard**, P. Vielh and R. Beaupain  
Effect of adriamycin on human tumor cells maintained in continuous culture
- IM 16      **F. Pietruschka** and H. Acker  
Production of angiogenetic factors by tumor cells growing in spheroid  
or monolayer cultures
- IM 17      **Z. Czownicki** and U. Rosińska  
Correlation of in vitro drug sensitivity with clinical response for patients  
with breast cancer and malignant melanoma
- IM 18      **M.-C. De Pauw-Gillet**, B. Dequinze, A. Borlon, F. Van den Brule,  
Y. Christiane and R. Bassleer  
Co-cultures of mouse B16 melanoma cells and 3T3 fibroblasts in three dimensions
- CT 8        **R. Grusemann** and J. Sonka  
Altered requirement for growth stimulation by extracellular matrix (EMC)  
in adriamycin-resistant S 180 cells