

ENDOCRINE-RELATED CANCER

**HORMONES AND CANCER:
FROM RESEARCH TO THERAPIES**

DECEMBER 2016
VOLUME 23
NUMBER 12

ISSN 1351-0088 (PRINT)
ISSN 1479-6821 (ONLINE)

CONTENTS

<http://erc.endocrinology-journals.org>



The image depicts double immunofluorescence localisation of full-length androgen receptor (AR, red) and an AR variant (ARv7, green) in a tissue section derived from an estrogen receptor-negative, progesterone receptor-negative, HER2-positive infiltrating breast carcinoma from a postmenopausal woman. Most cells express detectable levels of ARv7 along with full-length AR.

Credit: G Tarulli (University of Adelaide, Australia)

EDITORIAL

Novel twists in hormone-mediated carcinogenesis

Wayne D Tilley

E9-E12

THEMATIC REVIEWS

Androgen receptor signaling in castration-resistant prostate cancer: a lesson in persistence

Isabel Coutinho, Tanya K Day, Wayne D Tilley & Luke A Selth

T179-T197

Emerging data on androgen receptor splice variants in prostate cancer

Subing Cao, Yang Zhan & Yan Dong

T199-T210

Targeting CDK9: a promising therapeutic opportunity in prostate cancer

Muhammed H Rahaman, Malika Kumarasiri, Laychiluh B Mekonnen, Mingfeng Yu, Sarah Diab, Hugo Albrecht, Robert W Milne & Shudong Wang

T211-T226

Pushing estrogen receptor around in breast cancer

Elgene Lim, Gerard Tarulli, Neil Portman, Theresa E Hickey, Wayne D Tilley & Carlo Palmieri

T227-T241

ErbB-2 nuclear function in breast cancer growth, metastasis and resistance to therapy

Patricia V Elizalde, Rosalía I Cordo Russo, Maria F Chervo & Roxana Schillaci

T243-T257

Patient-derived tumour xenografts for breast cancer drug discovery

John W Cassidy, Ankita S Batra, Wendy Greenwood & Alejandra Bruna

T259-T270

CONTENTS

REVIEWS

Somatostatin analogues in acromegaly and gastroenteropancreatic neuroendocrine tumours: past, present and future

Kjell Öberg & Steven W J Lamberts

R551–R566

The endocrine influence on the bone microenvironment in early breast cancer

Caroline Wilson, Hannah Brown & Ingunn Holen

R567–R576

Familial non-medullary thyroid cancer: unraveling the genetic maze

Samantha Peiling Yang & Joanne Ngeow

R577–R595

RESEARCH

Noninvasive follicular thyroid neoplasm with papillary-like nuclear features

Pedro Wesley Rosario, Gabriela Franco Mourão, Maurício Buzelin Nunes, Marcelo Saldanha Nunes & Maria Regina Calsolari

893–897

Novel insights into the polycythemia-paraganglioma-somatostatinoma syndrome

Roland Därr, Joan Nambuba, Jaydira Del Rivero, Ingo Janssen, Maria Merino, Milena Todorovic, Bela Balint, Ivana Jochmanova, Josef T Prchal, Ronald M Lechan, Arthur S Tischler, Vera Popovic, Dragana Miljic, Karen T Adams, F Ryan Prall, Alexander Ling, Meredith R Golomb, Michael Ferguson, Naris Nilubol, Clara C Chen, Emily Chew, David Taïeb, Constantine A Stratakis, Tito Fojo, Chunzhang Yang, Electron Kebebew, Zhengping Zhuang & Karel Pacak

899–908

M918V RET mutation causes familial medullary thyroid carcinoma: study of 8 affected kindreds

M Cecília Martins-Costa, Lucas L Cunha, Susan C Lindsey, Cleber P Camacho, Renata P Dotto, Gilberto K Furuzawa, M Sharmila A Sousa, Teresa S Kasamatsu, Ilda S Kunii, Márcio M Martins, Alberto L Machado, João R M Martins, Magnus R Dias-da-Silva & Rui M B Maciel

909–920

ADDENDUM

***In vitro* transforming potential, intracellular signaling properties and sensitivity to a kinase inhibitor (sorafenib) of RET proto-oncogene variants Glu511Lys, Ser649Leu and Arg886Trp**

Hugo Prazeres, Joana P Couto, Fernando Rodrigues, João Vinagre, Joana Torres, Vitor Trovisco, Teresa C Martins, Manuel Sobrinho-Simões & Paula Soares

X1

The biology and the genetics of Hürthle cell tumors of the thyroid

Valdemar Máximo, Jorge Lima, Hugo Prazeres, Paula Soares & Manuel Sobrinho-Simões

X2