

Critical Reviews™ in Oncogenesis

VOLUME 17 CONTENTS, 2012

Page Range of Issues: Issue 1: 1-121; Issue 2: 123-246; Issue 3: 247-321; Issue 4: 323-396

ISSUE 1

Special Issue: Part 1: Targeting the Human Kinome for Cancer Therapy

Guest Editor: Roger J. Daly, Ph.D.

- | | |
|--|-----------|
| Intrinsic and Acquired Resistance to HER2-Targeted Therapies in HER2 Gene-Amplified Breast Cancer: Mechanisms and Clinical Implications
<i>B.N. Rexer & C.L. Arteaga</i> | 1 |
| Therapeutic Targeting of BCR-ABL: Prognostic Markers of Response and Resistance Mechanism in Chronic Myeloid Leukaemia
<i>D.T. Yeung & T.P. Hughes</i> | 17 |
| Therapeutic Targeting of the Epidermal Growth Factor Receptor in Human Cancer
<i>N.S. Dhomen, J. Mariadason, N. Tebbutt, & A.M. Scott</i> | 31 |
| Antiangiogenic Therapies Targeting the Vascular Endothelial Growth Factor Signaling System
<i>J. Tie & J. Desai</i> | 51 |
| Targeting PI3 Kinase/AKT/mTOR Signaling in Cancer
<i>K.E. Sheppard, K.M. Kinross, B. Solomon, R.B. Pearson, & W.A. Phillips</i> | 69 |
| Aberrant B-Raf Signaling in Human Cancer — 10 Years from Bench to Bedside
<i>M.Röding & T. Brummer</i> | 97 |

ISSUE 2

Special Issue: Part 2: Targeting the Human Kinome for Cancer Therapy

Guest Editor: Roger J. Daly, Ph.D.

- | | |
|--|------------|
| Anaplastic Lymphoma Kinase in Human Cancer
<i>C. Schön herr, B. Hallberg, & R.H. Palmer</i> | 123 |
| Src Kinase Inhibitors: Promising Cancer Therapeutics?
<i>H.Creedon & V.G. Brunton</i> | 145 |
| Targeting the Insulin-like Growth Factor Receptor: Developing Biomarkers from Gene Expression Profiling
<i>D.N. Boone & A.V. Lee</i> | 161 |

Inhibitors of Cell Cycle Kinases: Recent Advances and Future Prospects as Cancer Therapeutics <i>A. Stone, R.L. Sutherland, & E.A. Musgrove</i>	175
FLT3 Signaling and the Development of Inhibitors That Target FLT3 Kinase Activity <i>W.Y. Langdon</i>	199
Targeting of EPH Receptor Tyrosine Kinases for Anticancer Therapy <i>E. Nievergall, T. Saunders, & M. Lackmann</i>	211
Targeting the Human Kinome for Cancer Therapy: Current Perspectives <i>L. Zhang & R.J. Daly</i>	233

ISSUE 3

Special Issue: Cancer Cachexia, From Basic Research to Clinical Application: A Paradigmatic Translation Research Journey

Guest Editor: Professor Giovanni Mantovani

Neuroinflammation: A Contributing Factor to the Pathogenesis of Cancer Cachexia <i>A. Laviano, M. Seelaender, S. Rianda, R. Silverio, & F.R. Fanelli</i>	247
Counteracting Inflammation: A Promising Therapy in Cachexia <i>J.M. Argilés, F.J. López-Soriano, & S. Busquets</i>	253
Is Tissue Cross-Talk Important in Cancer Cachexia? <i>N. Johns, C.A. Greig, & K.C.H. Fearon</i>	263
Efficacy of Ghrelin in Cancer Cachexia: Clinical Trials and a Novel Treatment by Rikkunshito <i>N. Fujitsuka, A. Asakawa, H. Amitani, T. Hattori, & A. Inui</i>	277
Therapeutic Exercise in Cancer Cachexia <i>M. Maddocks, A.J. Murton, & A. Wilcock</i>	285
The Cachexia Clinic: From Staging to Managing Nutritional and Functional Problems in Advanced Cancer Patients <i>A.A.L. Vigano, E. Del Fabbro, E. Bruera, & M. Borod</i>	293
Multitargeted Treatment of Cancer Cachexia <i>C. Madeddu, A. Macciò, & G. Mantovani</i>	305
Cancer Cachexia: From Molecular Mechanisms to Patient's Care <i>S. Lucia, M. Esposito, F.R. Fanelli, & M. Muscaritoli</i>	315

ISSUE 4

Special Issue: Critical Concepts in the Oncogenesis of Adenocarcinoma of the Rectum

Guest Editor: Dr. Sergio Huerta

Critical Concepts in the Oncogenesis of Adenocarcinoma of the Rectum <i>S.Huerta</i>	323
Current Status of Radiation Therapy for the Management of Rectal Cancer <i>W.G. Rule & J.Meyer</i>	331
Current Status of Radiosensitizing Agents for the Management of Rectal Cancer <i>H. Illum</i>	345
Predictive Biomarkers for Response to Therapy in Advanced Colorectal/ Rectal Adenocarcinoma <i>P. Kapur</i>	361
Current Status of Surgical Intervention for the Management of Rectal Cancer <i>C.H. Olson</i>	373
Biology of Rectal Cancer — The Rationale for Targeted Therapy <i>S.P. Dineen</i>	383
New Directions in the Preoperative Management of Adenocarcinoma of the Rectum <i>S. Huerta</i>	393