**Signaling Pathways in Liver Diseases. 3rd Edition**

**Description:** Signaling Pathways in Liver Diseases, Third Edition again provides hepatologists and hepatology researchers with an expert overview of the complex and novel cellular/extracellular signaling pathways in the liver, and their role in liver diseases. The last few years have seen a great number of developments in this field, which in turn have led to new opportunities for innovative treatments; however, the intricacy of these pathways and their interactions continue to provide a real challenge for clinicians. This outstanding book compiles the emerging knowledge into a single expert resource, cataloguing and organizing it into an accessible and understandable format.

With increased focus on the comprehension of cellular mechanisms involved in steatohepatitis, cirrhosis, and liver tumors, which has led to changes in the management of these diseases, this new edition also sees the introduction of exciting new chapters on key emerging areas such as:

- Autophagy
- Notch Pathway
- PI3K/PTEN Signaling in Liver Diseases
- Sirtuins
- Hepcidin and Iron
- Epigenetic Regulation of Hepatic Stellate Cells and Liver Fibrosis
- Oxidative Stress and Signaling in the Liver.

Professors Dufour and Clavien have assembled an all-star cast of chapter authors, each of whom has provided clear and appropriate illustrations to reinforce the text, with a key points box offering a concise and handy summary. Self-assessment questions and answers allow the reader to test their own knowledge.

Signaling Pathways in Liver Disease, Third Edition is the perfect educational and reference tool to bridge the information exchange between the laboratory, the clinical ward, and the operating room, and an essential tool for the modern-day hepatologist.

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