Molecular understanding of Hedgehog-dependent cancers

*From pathways to patients*

Veenstra, V.L.

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Molecular understanding of Hedgehog-dependent cancers

From pathways to patients

Thursday December 6th
12.00 o’clock

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Oudezijds Voorburgwal 231, Amsterdam

Followed by a reception

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Molecular understanding of Hedgehog-dependent cancers

From pathways to patients

Veronique L. Veenstra
The research described in this thesis was performed at the Center of Experimental and Molecular Medicine (CEMM), Laboratory of Experimental Oncology and Radiobiology (LEXOR) at the Academic Medical Center (AMC), University of Amsterdam, The Netherlands.

About the cover
The cover shows elements that represent all the chapters of this thesis. The upper blue cell depicts the normal stroma, which surrounds the tumor in pancreatic cancer. The lower four-colored ball represents the tumor. These colors refer to the LeGO colors that were used for clonal tracing, the separation into four domains signify the four subtypes that were found with our subtyping efforts of pancreatic cancer patients. The space between the tumor cells and normal cells is filled with secreted proteins, which amongst others embody the proteins discussed in this thesis, SHH, SPOCK and ADAM12.

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From pathways to patients

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor promoties ingestelde commissie,
in het openbaar te verdedigen in de Agnietenkapel
op donderdag 6 december 2018, te 12.00 uur

door Veronique Laura Veenstra
geboren te Voorschoten
Promotiecommissie

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Faculteit der Geneeskunde
# Table of Contents

**Chapter 1**
General Introduction 7

**Chapter 2**
Blocking Hedgehog release from pancreatic cancer cells increases paracrine signaling potency 31

**Chapter 3**
Patched-2 functions to limit Patched-1 deficient skin cancer growth 59

**Chapter 4**
Stromal SPOCK1 supports invasive pancreatic cancer growth 85

**Chapter 5**
Multicolor lineage tracing reveals the clonal dynamics that underlie pancreatic cancer growth 113

**Chapter 6**
A mesenchymal subtype of pancreatic cancer that is sensitive to the induction of mitochondrial dysfunction 135

**Chapter 7**
ADAM12 is a circulating marker for stromal activation in pancreatic cancer and predicts response to chemotherapy 175

**Chapter 8**
General discussion and outlook 205

**Annexes**

- English summary 223
- Nederlandse samenvatting 227
- Curriculum vitae 233
- PhD portfolio 235
- List of publications 237
- Dankwoord 239