Exhibit 4.3
Schematic representation of different mechanisms of drug delivery to tumours using nanocarriers. Polymeric nanoparticles are shown as representative nanocarriers (circles). Passive tissue targeting is achieved by extravasation of nanoparticles through increased permeability of the tumour vasculature and ineffective lymphatic drainage (EPR effect). Active cellular targeting (inset) can be achieved by functionalizing the surface of nanocarriers with ligands that induce cell-specific recognition and binding. The nanocarriers can (a) release their contents in close proximity to the target tumour cells; (b) attach to the membrane of the tumour cell and play the role of an extracellular sustainedrelease drug depot; or (c) internalize into the tumour cell [3].
Exhibit 4.4
Advantages and disadvantages of different methods for the production of drug nanocrystals [6].
Exhibit 4.5
Representative examples of clinically approved nanocarrier-based drug formulations with presence on the market [4].
Exhibit 4.6
Some examples of nano-based platforms and their current stage of development for use in cancer therapy [3].
Exhibit 4.7
Representative examples of clinically approved nanocrystals-based drug formulations with presence on the market [6]
Exhibit 4.8
Table representing the Total Addressable Market, TAM (2000-2010), for nanotechnology in drug delivery, all countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.9
3-D pie chart representing the Total Addressable Market, TAM in 2010, for nanotechnology in drug delivery, by world regions and countries, source: Cientifica (all figures in percentage).
Exhibit 4.10
Horizontal bar graph representing the Total Addressable Market, TAM in 2010, for nanotechnology in drug delivery, by world regions and countries, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.11
Line chart representing the Total Addressable Market, TAM (2000-2010), for nanotechnology in drug delivery, by world regions and countries, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.12
3-D stacked vertical bar graph representing the Total Addressable Market, TAM (2000-2010), for nanotechnology in drug delivery, by world regions and countries, source:Cientifica (all figures US$ Million Dollars).
Exhibit 4.13
3-D stacked area chart representing the Total Addressable Market, TAM (2000-2010), for nanotechnology in drug delivery, by world regions and countries, source: Cientifica (all figures US$ Million Dollars).

Exhibit 4.48
Horizontal bar graph representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, by world regions, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.49
Line chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, by world regions, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.50
3-D stacked vertical bar graph representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, by world regions, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.51
3-D stacked area chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, by world regions, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.52
3-D pie chart representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, by all world regions / countries studied, source: Cientifica (all figures in percentage).
Exhibit 4.53
Horizontal bar graph representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, by all world regions / countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.54
Line chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, by all world regions / countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.55
3-D stacked vertical bar graph representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, by all world regions / countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.56
3-D stacked area chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, by all world regions /countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.57
3-D pie chart representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, European Union countries studied, source: Cientifica (all figures in percentage).
Exhibit 4.58
Horizontal bar graph representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, European Union countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.59

Line chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, European Union countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.60
3-D stacked vertical bar graph representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, European Union countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.61
3-D stacked area chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, European Union countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.62
3-D pie chart representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, Asian countries studied, source: Cientifica (all figures in percentage).
Exhibit 4.63
Horizontal bar graph representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, Asian countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.64
Line chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, Asian countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.65
3-D stacked vertical bar graph representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, Asian countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.66
3-D stacked area chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, Asian countries studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.67
Table representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, all most relevant key technologies, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.68
3-D pie chart representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, all key technologies studied, source: Cientifica (all figures in percentage).
Exhibit 4.69
Horizontal bar graph representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, all key technologies studied, source: Cientifica (all figures in percentage).
Exhibit 4.70
Line chart representing the Total Addressable Market, TAM forecast by 2021 (for the

2011-2021 period), for nanotechnology in drug delivery, all key technologies studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.71
3-D stacked vertical bar graph representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, all key technologies studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.72
3-D stacked area chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, all key technologies studied, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.73
3-D pie chart representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, nanocarriers as a whole, source: Cientifica (all figures in percentage).
Exhibit 4.74
Horizontal bar graph representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, nanocarriers as a whole, source: Cientifica (all figures
US$ Million Dollars).
Exhibit 4.75
Line chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, nanocarriers as a whole, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.76
3-D stacked vertical bar graph representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, nanocarriers as a whole, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.77
3-D stacked area chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, nanocarriers as a whole, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.78
3-D pie chart representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, nanocarriers versus drug nanocrystals, source: Cientifica (all figures in percentage).
Exhibit 4.79
Horizontal bar graph representing the Total Addressable Market, TAM forecast in 2021, for nanotechnology in drug delivery, nanocarriers versus drug nanocrystals, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.80
Line chart representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery, nanocarriers versus drug nanocrystals, source: Cientifica (all figures US$ Million Dollars).
Exhibit 4.81 3-D stacked vertical bar graph representing the Total Addressable Market, TAM forecast by 2021 (for the 2011-2021 period), for nanotechnology in drug delivery,

Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.

Exhibit A.3

Table of the top 20 organizations showing the highest publishing activity in PubMed periodicals (2000-2010), based on PubMed, for Nanotechnology in Drug Delivery. World \Region: European Union; country: France.

Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.

Exhibit A.4

Table of the top 20 organizations showing the highest publishing activity in PubMed periodicals (2000-2010), based on PubMed, for Nanotechnology in Drug Delivery. WorldRegion: European Union; country: UK.

Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.

Exhibit A.5

Table of the organizations with publishing activity in PubMed periodicals (2000-2010),based on PubMed, for Nanotechnology in Drug Delivery. Country: Russian Federation.

Organizations are ordered alphabetically (increasing order).

Exhibit A.6

Table of the top 20 organizations showing the highest publishing activity in PubMed periodicals (2000-2010), based on PubMed, for Nanotechnology in Drug Delivery. World Region: Asia; country: India.

Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.

Exhibit A.7

Table of the top 20 organizations showing the highest publishing activity in PubMed periodicals (2000-2010), based on PubMed, for Nanotechnology in Drug Delivery. World Region: Asia; country: India.

Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.

Exhibit A.8

Table of the top 20 organizations showing the highest publishing activity in PubMed periodicals (2000-2010), based on PubMed, for Nanotechnology in Drug Delivery. World Region: Asia; country: Japan.

Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.

Exhibit A.9

Table of the top 20 organizations showing the highest publishing activity in PubMed periodicals (2000-2010), based on PubMed, for Nanotechnology in Drug Delivery. World Region: Asia; country: P R China.

Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.

Exhibit A.10

Table of the top 20 organizations showing the highest publishing activity in PubMed

periodicals (2000-2010), based on PubMed, for Nanotechnology in Drug Delivery. World Region: Asia; country: South Korea (Republic of Korea).
Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.
Exhibit A.11
Table of the organizations with publishing activity in PubMed periodicals (2000-2010),based on PubMed, for Nanotechnology in Drug Delivery. Asia; country: Taiwan.
Organizations are ordered first by descending order of total articles published and then ordered alphabetically (increasing order), if applicable.