

AVACTA LIFE SCIENCES LIMITED – PATENTS SUMMARY

Updated 10 June 2019

MODIFIED STEFIN A SCAFFOLD PROTEINS:

| Title | Country | Status | Application No. | Grant No. | Priority Date | Grant Date |
|----------------------------------------------------------------------|----------------|---------------|------------------------|------------------|----------------------|-------------------|
| Modified Stefin A Scaffold Proteins (Type 1 SQT) - PCT/GB2009/050380 | Canada | Pending | 2,757,513 | | 16-Apr-09 | |
| | China | Granted | | 102056942B | | 31-May-17 |
| | Europe | Granted | | 2279205 | | 17-Aug-16 |
| | Austria | Granted | | 2279205 | | 17-Aug-16 |
| | Belgium | Granted | | 2279205 | | 17-Aug-16 |
| | Switzerland | Granted | | 2279205 | | 17-Aug-16 |
| | Germany | Granted | | 2279205 | | 17-Aug-16 |
| | Denmark | Granted | | 2279205 | | 17-Aug-16 |
| | Spain | Granted | | 2279205 | | 17-Aug-16 |

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| Finland | Granted | 2279205 | 17-Aug-16 |
| France | Granted | 2279205 | 17-Aug-16 |
| United Kingdom | Granted | 2279205 | 17-Aug-16 |
| Greece | Granted | 2279205 | 17-Aug-16 |
| Hungary | Granted | 2279205 | 17-Aug-16 |
| Italy | Granted | 2279205 | 17-Aug-16 |
| The Netherlands | Granted | 2279205 | 17-Aug-16 |
| Norway | Granted | 2279205 | 17-Aug-16 |
| Poland | Granted | 2279205 | 17-Aug-16 |
| Portugal | Granted | 2279205 | 17-Aug-16 |
| Sweden | Granted | 2279205 | 17-Aug-16 |
| Japan | Granted | 5688362 | 30-Jan-15 |
| USA | Granted | 8,853,131 | 07-Oct-14 |
| USA Divisional | Granted | 9,447,170 | 20-Sep-16 |

IMPROVED MAMMALIAN SCAFFOLD:

| Title | Country | Status | Application No. | Grant No. | Priority Date | Grant Date |
|--------------------------------------------|----------------|-----------------|------------------------|------------------|----------------------|-------------------|
| Improved Mammalian Scaffold (3r/3t series) | United Kingdom | Abandoned - PCT | GB1710973.7 | | 07-Jul-17 | |
| Improved Mammalian Scaffold (3r/3t series) | PCT | Pending | PCT/GB2018/051855 | | 07-Jul-17 | |
| Improved Mammalian Scaffold (3r/3t series) | Taiwan | Pending | 107123473 | | 07-Jul-17 | |

**PD-L1 BINDING
AFFIMERS:**

| Title | Country | Status | Application No. | Grant No. | Priority Date | Grant Date |
|-------------------------------------------------|----------------|---------------|------------------------|------------------|----------------------|-------------------|
| PD-L1 Binding Affimers and Uses Related Thereto | United Kingdom | Pending | GB1805963.4 | | 11/04/2018 | |
| PD-L1 Binding Affimers and Uses Related Thereto | PCT | Pending | PCT/EP2019/059354 | | 11/04/2018 | |
| PD-L1 Binding Affimers and Uses Related Thereto | Taiwan | Pending | 108112713 | | 11/04/2018 | |

NOVEL DRUG CONJUGATES:

| Title | Country | Status | Application No. | Grant No. | Priority Date | Grant Date |
|----------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|------------------------|------------------|----------------------|-------------------|
| Tumour micro-environment activated drug-conjugates and uses thereto joint application made with Trustees of Tufts College | USA | Pending | 62/680,300 | | 04/06/2018 | |
| Tumour micro-environment activated drug-conjugates and uses thereto joint application made with Trustees of Tufts College | PCT | Pending | PCT/US19/35374 | | 04/06/2018 | |
| Tumour micro-environment activated drug-conjugates and uses thereto joint application made with Trustees of Tufts College | Taiwan | Pending | 108119354 | | 04/06/2018 | |

**ORIGINAL STEFIN A
PATENT:**

| Title | Country | Status | Application No. | Grant No. | Priority Date | Grant Date |
|------------------------------------------------|-----------------|---------------|------------------------|------------------|----------------------|-------------------|
| STM Scaffold (Type 1 STM) - PCT GB 2006/002115 | Australia | Granted | | 2006256530 | 08/06/2006 | 04-Apr-13 |
| | Canada | Pending | 2,610,976 | | | |
| | Europe | Granted | | 1904529 | | 11-Aug-10 |
| | Austria | Granted | | 1904529 | | 11-Aug-10 |
| | Switzerland | Granted | | 1904529 | | 11-Aug-10 |
| | Germany | Granted | | 1904529 | | 11-Aug-10 |
| | Denmark | Granted | | 1904529 | | 11-Aug-10 |
| | Spain | Granted | | 1904529 | | 11-Aug-10 |
| | France | Granted | | 1904529 | | 11-Aug-10 |
| | United Kingdom | Granted | | 1904529 | | 11-Aug-10 |
| | Italy | Granted | | 1904529 | | 11-Aug-10 |
| | The Netherlands | Granted | | 1904529 | | 11-Aug-10 |
| | Sweden | Granted | | 1904529 | | 11-Aug-10 |

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|----------------|---------|-----------|-----------|
| Japan | Granted | 4989638 | 11-May-12 |
| USA | Granted | 8,481,491 | 09-Jul-23 |
| USA Divisional | Granted | 8,063,019 | 22-Nov-11 |

**PLANT CYSTATIN
CONSENSUS PATENT:**

| Title | Country | Status | Application No. | Grant No. | Priority Date | Grant Date |
|-------------------------------------------------------|----------------|---------------|--------------------------------------------------------------------------------------------------------|------------------|----------------------|-------------------|
| Novel Synthetic Proteins | Australia | Granted | 2014217628 | 2014217628 | 14-Feb-2003 | 10-Aug-17 |
| Novel Synthetic Proteins (Type 2 - PCT/GB2014/050435) | Australia | Pending | 2017206237 | | | |
| Novel Synthetic Proteins | Canada | Pending | 2,900,745 | | | |
| Novel Synthetic Proteins | China | Pending | 2.0148E+12 | | | |
| Novel Synthetic Proteins | Europe | Pending | 14705565.1 | | | |
| Novel Synthetic Proteins | Hong Kong | Pending | 16105949.3 | | | |
| Novel Synthetic Proteins | International | Expired | PCT/GB2014/050435 | | | |
| Novel Synthetic Proteins | Japan | Pending | 2015-557514 | | | |
| Novel Synthetic Proteins | United Kingdom | Expired | GB1302597.8 | | | |
| Novel Synthetic Proteins | USA | Granted | 14/768,032 15/904,069 divisional patent application based on 14/768,032 Novel Synthetic Proteins | 9,932,575 | | 03-Apr-18 |
| Novel Synthetic Proteins | USA | Pending | | | | |