

I, **James Kerr MILLIGAN**, Notary Public of the City of London, England,
by Royal Authority, duly admitted and sworn, practising in the said City,

DO HEREBY CERTIFY AND ATTEST:

THAT the Assignment hereunto annexed has been signed for and on behalf
of the Company styled "**GLAXOSMITHKLINE BIOLOGICALS S.A.**", the
"Assignee" therein-named and described, a Belgian Company, of Rue de
l'Institut 89, B-1330 Rixensart, Belgium, by **Marcus Jonathan William
DALTON**, a British citizen, born on 28th May 1963, whose identity I attest, a
duly appointed Attorney-in-Fact of the said Company;

AND THAT the said **Marcus Jonathan William DALTON**, in his
aforesaid capacity, is duly authorised to sign the same under and by virtue of
a Power of Attorney granted in his favour by the said Company dated the 28th
June 2012, a copy of which was produced to me, the undersigned Notary.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my
Seal of Office in the City of London aforesaid, this second day of December in
the year Two thousand and thirteen.


James Kerr MILLIGAN
Notary Public of London, England

ASSIGNMENT

between

NOVARTIS AG incorporated and registered in Switzerland with company number CH-270.3.002.061-2 whose registered office is at Lichtstr. 35, 4056 Basel, Switzerland

("Assignor")

and

GLAXOSMITHKLINE BIOLOGICALS SA incorporated and registered in Belgium with company number 0440.872.918 whose registered office is at 89 Rue de L'Institut, 1330 Rixensart, Belgium

("Assignee",

and together with Assignor the "Parties")

regarding

Patents

PREAMBLE

- 1) Assignee initiated proceedings before the Basel Court in March 2010 (case number P 2010 56 BL), requesting the assignment of certain patent applications filed in the name of Assignor.
- 2) The case was subsequently transferred to the Swiss Federal Patent Court (Case number O2013_004). The Assignor finally admitted the Assignee's claims in said proceedings.
- 3) On this basis, the Parties agree as follows:

1. **Patents Assigned**

In this Agreement, reference to the "**Patents**" is to the national and regional patents and patent applications as set out in Schedule 1.

2. **Assignment**

The Assignor herewith irrevocably assigns ("*überträgt*"), without consideration, its rights in the Patents to Assignee.

3. **Governing Law and Jurisdiction**

This Agreement shall be governed exclusively by the laws of Switzerland, without giving effect to its conflict of law rules.

Any disputes arising out of or in connection with this Agreement shall be submitted exclusively to the Swiss Federal Patent Court.

BASEL, 4/Nov/2013

Place / Date

Assignor:
Novartis AG



Name: **Ian James Hiscock**
Function: **Authorized Signatory**



Name: **Alisa Harbin**
Function: **Authorized Signatory**

BRENTFORD, UK 2/12/2013

Place / Date

Assignee:
GlaxoSmithKline Biologicals SA



Name: **MARCUS DALTON**
Function: **AUTHORISED**
OFFICIAL

Name:
Function:

Schedule 1 Patents

Country or territory	Application No.	Publication No.	Date of filing	Grant date
UK	GB0616306.7	N/A	16.08.2006	-
International	PCT/IB2007/003255	WO2008020328	15.08.2007	-
Europe	07825522.1	EP2073841	15.08.2007	-
US	12/310,188	US2010158940	15.08.2007	-
Japan	2009-524255	JP2010-500398 JP5090452	15.08.2007	21.09.2012
Japan	2012-200460	JP2012-236864	15.08.2007	
China	200780037461.4	CN101522217	15.08.2007	-
Hong Kong	09111858.9	HK1131913	17.12.2009	-

ATTESTATION

I, the undersigned Civil Law Notary in Basel, Switzerland, Marius Meier, certify herewith that the signatures attached heretofore are the genuine signatures of **Ms. Alisa Harbin**, citizen of the United States of America, residing in Reinach BL, Switzerland; and of **Mr. Ian James Hiscock**, British citizen, residing in Gempen, Switzerland; both acting for **Novartis AG**, in Basel, Switzerland, both as authorized signatories and both with joint signature.

The authenticity of the signatures was established by means of comparison.

BASEL, Switzerland, this 19th (nineteenth) day of November 2013 (two thousand and thirteen)



M. Meier
Notar

Leg.Prot.Nr. 1648/2013