



Australian Government  
IP Australia

## Search Information Statement (SIS)

**Application  
Number**

**PCT/AU2019/051325**

### A. Search Details

<b>Additional Members of the Search Team (if convened):</b>	M. Chang, V. Turner	<b>Earlier Search Results (if available)</b>	
		<b>Current SIS Completion Date</b>	30 January 2020

### B. Search Strategy

**Applicant(s)/Inventor(s) name searched in internal databases provided by IP Australia.**

**Applicant(s)/Inventor(s) name and keywords searched in other databases.**

**Pubmed:**

(CSL[Affiliation]) AND G-CSF[Title/Abstract] – 4 results, viewed.

(neutrophilic dermatosis[Title/Abstract]) AND G-CSF[Title/Abstract] – 15 results, viewed.

(INGUANTI, Karen[Author]) AND G-CSF[Title/Abstract] – 0 results.

(AIREY, Jolanta[Author]) AND G-CSF[Title/Abstract] – 0 results.

(SIDHU, Jagdev[Author]) AND G-CSF[Title/Abstract] – 0 results.

(TORTORICI, Michael[Author]) AND G-CSF[Title/Abstract] – 0 results.

(YURASZECK, Theresa[Author]) AND G-CSF[Title/Abstract] – 0 results.

**Espacenet:**

Worldwide database for:

G-CSF in the title or abstract AND CSL as the applicant – 8 results, viewed.

G-CSF in the title or abstract AND INGUANTI, Karen as the inventor – 0 results.

G-CSF in the title or abstract AND AIREY, Jolanta as the inventor – 0 results.

G-CSF in the title or abstract AND SIDHU, Jagdev as the inventor – 0 results.

G-CSF in the title or abstract AND TORTORICI, Michael as the inventor – 0 results.

G-CSF in the title or abstract AND YURASZECK, Theresa as the inventor – 0 results.

**ClinicalTrials.gov (<https://clinicaltrials.gov/>):**

"G-CSF antibody + Australia" – 11 results, viewed.

"CSL324" – 1 result, viewed.

"Neutrophilic dermatosis" – 3 results, viewed.

**ANZCTR (<https://www.anzctr.org.au/TrialSearch.aspx>):**

"CSL324" – 2 results, viewed.

**EPOQUE (PATENW - based on EPODOC, WPIAP and the English full-text databases):**

**PATENW RESULTS QUERY**

- 1 881.438 ((G\_CSF OR GRANULOCYTE\_COLONY\_STIMULATING\_FACTOR OR COLONY\_STIMULATING\_FACTOR\_3 OR CSF\_3) 3D ANTIBOD+) OR C1\_2? OR CSL\_324
- 2 35.620 ((REDUC+ OR DECREAS+) 5D NEUTROPHIL?) OR (NEUTROPHIL+ 5D (CONDITION? OR DISEASE? OR DISORDER?))
- 3 36 1 S 2
- 4 159.609 +NEUTROPENIA OR SCN OR CYN OR LEUKOPENIA
- 5 1.162 1 S 4
- 6 311 1 9D 4
- 7 210 1 5D 4
- 8 12.135 +NEUTROPHILIC\_DERMATOSIS OR SWEETS\_SYNDROME OR GOMM\_BUTTON\_DISEASE OR NEUTROPHILIC\_SKIN\_LESION OR HIDRADENITIS\_SUPPURATIVA OR ACNE\_INVERSA OR +PALMOPLANTAR\_PUSTULOSIS OR PUSTULOSIS\_PALMARIS\_ET\_PLANTARIS OR PUSTULAR\_PSORIASIS+
- 9 2 1 S 8
- 10 38 3 OR 9

Line 10 viewed.

**STNext (<https://www.stn.org/>; MEDLINE, CAPLUS, BIOSIS, EMBASE):**

=> d his full

(FILE 'HOME' ENTERED AT 02:49:45 ON 08 JAN 2020)

D SET

D CLUSTER

INDEX 'MEDLINE, CAPLUS, BIOSIS, EMBASE' ENTERED AT 02:52:30 ON 08 JAN 2020

SEA (((G (W) CSF) OR (GRANULOCYTE (W) COLONY (W) STIMULATING (W

-----  
1665 FILE MEDLINE

0\* FILE CAPLUS

1173 FILE BIOSIS

2309 FILE EMBASE

L1 QUE SPE=ON ABB=ON PLU=ON (((G (W) CSF) OR (GRANULOCYTE (W) COLONY (W) STIMULATING (W) FACTOR) OR (COLONY (W) STIMULATING (W) FACTOR (W) 3) OR (CSF (W) 3)) (3A) ANTIBOD?) OR (C1 (W) 2#) OR (CSL (W) 324)

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SEA ((REDUC? OR DECREAS?) (5A) NEUTROPHIL#) OR (NEUTROPHIL? (5A

-----  
15787 FILE MEDLINE

18635 FILE CAPLUS

17471 FILE BIOSIS

22743 FILE EMBASE

L2 QUE SPE=ON ABB=ON PLU=ON ((REDUC? OR DECREAS?) (5A) NEUTROPHIL#) OR (NEUTROPHIL? (5A) (CONDITION# OR DISEASE# OR DISORDER#))

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SEA L1 (S) L2

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6 FILE MEDLINE

0\* FILE CAPLUS

6 FILE BIOSIS

7 FILE EMBASE

L3 QUE SPE=ON ABB=ON PLU=ON L1 (S) L2

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SEA ?NEUTROPENIA OR SCN OR CYN OR LEUKOPENIA

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63417 FILE MEDLINE

58174 FILE CAPLUS

56781 FILE BIOSIS

180375 FILE EMBASE

L4 QUE SPE=ON ABB=ON PLU=ON ?NEUTROPENIA OR SCN OR CYN OR LEUKOPENIA

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SEA L1 (S) L4

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4 FILE MEDLINE  
0\* FILE CAPLUS  
7 FILE BIOSIS  
12 FILE EMBASE  
L5 QUE SPE=ON ABB=ON PLU=ON L1 (S) L4  
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SEA (?NEUTROPHILIC (W) DERMATOSIS) OR (SWEETS (W) SYNDROME) OR  
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5715 FILE MEDLINE  
1638 FILE CAPLUS  
2590 FILE BIOSIS  
11460 FILE EMBASE  
L6 QUE SPE=ON ABB=ON PLU=ON (?NEUTROPHILIC (W) DERMATOSIS) OR (SWEETS (W) SYNDROME) OR  
(GOMM (W) BUTTON (W) DISEASE) OR (NEUTROPHILIC (W) SKIN (W) LESION) OR (HIDRADENITIS (W)  
SUPPURATIVA) OR (ACNE (W) INVERSA) OR (?PALMOPLANTAR (W) PUSTULOSIS) OR (PUSTULOSIS (W)  
PALMARIS?) OR (PUSTULAR (W) PSORIASIS?)  
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SEA L1 (S) L6  
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0\* FILE CAPLUS  
L7 QUE SPE=ON ABB=ON PLU=ON L1 (S) L6  
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SEA L3 OR L5  
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10 FILE MEDLINE  
0\* FILE CAPLUS  
13 FILE BIOSIS  
19 FILE EMBASE  
L8 QUE SPE=ON ABB=ON PLU=ON L3 OR L5  
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FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE' ENTERED AT 03:13:29 ON 08 JAN 2020

L9 10 SEA SPE=ON ABB=ON PLU=ON L3 OR L5  
L10 13 SEA SPE=ON ABB=ON PLU=ON L3 OR L5  
L11 19 SEA SPE=ON ABB=ON PLU=ON L3 OR L5  
TOTAL FOR ALL FILES

L12 42 SEA SPE=ON ABB=ON PLU=ON L8  
L13 23 DUP REM L12 (19 DUPLICATES REMOVED)

D BIB ABS 1-  
Line 13 viewed.

#### GenomeQuest:

##### Workflow Information:

Title PCT-AU19-51325 (variable chains)  
Description  
Owner and Launch This run is launched by Margaret Chang at 2019-12-17 23:54:30, and its status is FINISHED,  
Date at 2019-12-18 00:06:26.  
Location It is located at [My Data]  
Workflow IP. Total Nb. of Results: 45552. Storage size: 159.90 MB. (Id: 4114968, See Log)  
Query Database Protein Databases (2 sequences):  
Database: .query database  
Version: 20191217  
Release Date: 2019-12-17 23:54:30  
Database Status: Most Recent  
Subject Database No nucleotide database selected.  
Protein Databases (526,803,574 sequences):

- Sequences with length less than 6 or more than 100,000 are not searched.

Database	Version	Release Date	Database Status
GQ-Pat GoldPlus Protein - Patent sequences	20191216	2019-12-16 06:49:40	Most Recent
GQ-Pat Platinum protein - Patent sequences	20191216	2019-12-16 06:36:13	Most Recent
Protein Data Bank - protein seqs	20191214	2019-12-17 14:00:13	Most Recent
Genpept - Translated Genbank	234	2019-12-10 12:17:46	Most Recent

ENSEMBL Protein	98	2019-09-27 10:11:23	Most Recent
Swiss-Prot - from Expasy	2019_10	2019-11-26 05:53:09	Most Recent
RefSeq - Protein	97	2019-12-16 17:54:42	Most Recent
Translated EMBL - from Expasy	2019_10	2019-11-29 23:30:43	Most Recent

Search Strategy

- The search strategy was GenePAST.
- This strategy fits the shorter sequence (query or subject) into the longer one, keeping the number of mismatches and gaps to a minimum.
- Alignments with less than 90% identity over query are discarded.

Keep Best Best 500000 alignments are kept.

Alignments

Filtering and Grouping:

Filter: (Query % Id equals 100 )

Grouped by: Patent family ID

Group Filter:

Query Sequence Records:

Query Identifier: SEQ\_4

Query Length: 118

EVQLLESGGG LVQPGGSLRL SCAASGFTFS LYWMGWVRQA PGKGLEWVSS ISSSGGVTPY ADSVKGRFTI  
SRDNSKNTLY LQMNSLRAED TAVYYCAKLG ELGWFDPWGQ GTLVTVSS

Query Identifier: SEQ\_5

Query Length: 107

DIQMTQSPSS LSASVGDRVT ITCRASQGIS SYLNWYQQKPKAPKLLIYY ASNLQNGVPS RFGSGSGTD FTLTISSLQP  
EDFATYYCQQ SYSTPLTFGG GTKVEIK

One member of each patent family viewed.

Workflow Information:

Title PCT-AU19-51325 (CDRs)

Description

Owner and Launch This run is launched by Margaret Chang at 2019-12-17 21:32:51, and its status is FINISHED,

Date at 2019-12-17 21:37:55.

Location It is located at [My Data]

Workflow IP. Total Nb. of Results: 100. Storage size: 3.78 MB. (Id: 4114902, See Log)

Query Database Propat Databases (2 sequences):

Database: .query database

Version: 20191217

Release Date: 2019-12-17 21:32:52

Database Status: Most Recent

Subject Database No nucleotide database selected.

Protein Databases (515,166,387 sequences):

- Sequences with length less than 6 or more than 100,000 are not searched.

Database	Version	Release Date	Database Status
GQ-Pat GoldPlus Protein - Patent sequences	20191216	2019-12-16 06:49:40	Most Recent
GQ-Pat Platinum protein - Patent sequences	20191216	2019-12-16 06:36:13	Most Recent
Protein Data Bank - protein seqs	20191210	2019-12-10 14:00:14	Updated on 2019-12-17 14:00:13
Genpept - Translated Genbank	234	2019-12-10 12:17:46	Most Recent
ENSEMBL Protein	98	2019-09-27 10:11:23	Most Recent
Swiss-Prot - from Expasy	2019_10	2019-11-26 05:53:09	Most Recent
RefSeq - Protein	97	2019-12-09 11:41:39	Updated on 2019-12-16 17:54:42
Translated EMBL - from Expasy	2019_10	2019-11-29 23:30:43	Most Recent

Search Strategy

- The search strategy was Motif Search.

Keep Best Best 500000 alignments are kept.

Alignments

Filtering and Grouping:

Filter:

Grouped by: Patent family ID

Group Filter:

Query Sequence Records:

Query Identifier: SEQ\_9\_10\_11

Query Length: 30

RASQGISSYL N.\*ASNLQN.\*QQSYSTPLT

Query Identifier: SEQ\_6\_7\_8

Query Length: 35

LYWVG.\*SIS SSGGVTPYAD SVKG.\*LGEL GWFDP

One member of each patent family viewed.