UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHED	HIE	13G
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Under the Securities Exchange Act of 1934*
(Amendment No. 1)

Hookipa Pharma Inc.

(Name of Issuer)

Common Stock, par value \$0.0001 per share (Title of Class of Securities)

43906K209 (CUSIP Number)

July 25, 2024 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)

☐ Rule 13d-1(c)

☐ Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 43906K209 13G

1	NAMES OF REPORTING PERSONS				
	Invus Public Equities, L.P.				
2			OPRIATE BOX IF A MEMBER OF A GROUP		
	(a) □ (b	o) 🗆			
3	SEC USE O	NLY			
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION		
	Bermuda				
!		5	SOLE VOTING POWER		
			566,640		
	MBER OF SHARES	6	SHARED VOTING POWER		
	EFICIALLY				
O	WNED BY		0		
RF	EACH PORTING	7	SOLE DISPOSITIVE POWER		
	PERSON		566,640		
	WITH	8	SHARED DISPOSITIVE POWER		
			0		
9	AGGREGAT	ГЕ АМО	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	566,640				
10	·				
11	1 PERCENT OF CLASS REPRESENTED BY AMOUNT BY BOW (9)				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	5.9%				
12	TYPE OF RI	EPORTI	NG PERSON (SEE INSTRUCTIONS)		
	PN				

1	NAMES OF REPORTING PERSONS				
	Invus Public Equities Advisors, LLC				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) \square (b)	b) 🗆			
2	GEO HGE O	NIT X7			
3	SEC USE O	NLY			
4	CITIZENSH	IIP OR P	LACE OF ORGANIZATION		
	Delaware				
		5	SOLE VOTING POWER		
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	WNED BY				
EACH		7	SOLE DISPOSITIVE POWER		
REPORTING PERSON			566,640		
	WITH	8	SHARED DISPOSITIVE POWER		
		8	SHARED DISTOSITIVE TOWER		
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9	AGGREGAT	ГЕ АМО	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	566.640				
10	566,640	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
10	CHECKI	IIIL AO	GREGATE AMOUNT IN NOW (7) EXCEUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
11	PERCENT (OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
	5.9%				
12		EPORTI	NG PERSON (SEE INSTRUCTIONS)		
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1	NAMES OF REPORTING PERSONS				
	Invus Global Management, LLC				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) □ (t	o) 🗆			
3	SEC USE O	NLY			
3	SEC OSE O	· · LI			
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION		
	Delaware				
	Delaware	5	SOLE VOTING POWER		
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NU	MBER OF		566,640		
	SHARES	6	SHARED VOTING POWER		
	EFICIALLY VNED BY		0		
EACH		7	SOLE DISPOSITIVE POWER		
REPORTING PERSON			566,640		
	WITH	8	SHARED DISPOSITIVE POWER		
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			0		
9	AGGREGAT	TE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	566,640				
10	CHECK IF T	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
11	PERCENT (F CLAS	S REPRESENTED BY AMOUNT IN ROW (9)		
11	TERCEIVI	or CEric	STEPRED DI TIMOGNI IN NO W (5)		
	5.9%				
12	TYPE OF R	EPORTI	NG PERSON (SEE INSTRUCTIONS)		
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CUSIP No. 43906K209 13G

1	NAMES OF REPORTING PERSONS					
	Siren, L.L.C.					
2			OPRIATE BOX IF A MEMBER OF A GROUP			
	(a) □ (b) [
	and tion of	****				
3	SEC USE OF	NLY				
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION			
	Delaware					
		5	SOLE VOTING POWER			
NII.	MBER OF		566,640			
	SHARES	6	SHARED VOTING POWER			
	EFICIALLY					
	WNED BY					
	EACH PORTING	7	SOLE DISPOSITIVE POWER			
	PERSON		566,640			
	WITH	8	SHARED DISPOSITIVE POWER			
9	∆GGREGAT	TE AMO	0 UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	HOOKEOHI	L / IIIIO	ON BENEFICINEED OWNED BY ENGINEER ON THO PERSON			
	566,640					
10	CHECK IF T	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)			
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	LICEITIC		20 121 122 2 1 1210 0111 H (7)			
	5.9%					
12	TYPE OF RI	EPORTI	NG PERSON (SEE INSTRUCTIONS)			
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1	NAMES OF REPORTING PERSONS				
	Raymond Debbane				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) □ (b	o) 🗆			
3	SEC USE O	NLY			
J	520 052 0				
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION		
	Panama				
	Tunumu	5	SOLE VOTING POWER		
	JMBER OF		566,640		
	SHARES IEFICIALLY	6	SHARED VOTING POWER		
	WNED BY		0		
EACH		7	SOLE DISPOSITIVE POWER		
REPORTING PERSON			566,640		
	WITH	8	SHARED DISPOSITIVE POWER		
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9	AGGREGA	I E AMO	UNI BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	566,640				
10	CHECK IF T	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
11	1	OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
12	5.9%	EDODTI	NG PERSON (SEE INSTRUCTIONS)		
12	TIFEOFK	LTOKII	NOTERSON (SEE INSTRUCTIONS)		
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1	NAMES OF	REPOR	TING PERSONS		
	Artal International S.C.A.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
		o) 🗆			
3	SEC USE O	NLY			
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION		
	Luxembourg	,			
•		5	SOLE VOTING POWER		
NU	MBER OF		0		
	SHARES	6	SHARED VOTING POWER		
	EFICIALLY				
	VNED BY				
EACH REPORTING		7	SOLE DISPOSITIVE POWER		
PERSON			0		
	WITH	8	SHARED DISPOSITIVE POWER		
		0	SHARED DISPOSITIVE POWER		
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9	AGGREGAT	ГЕ АМО	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
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10	CHECK IF 7	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
11	PERCENT C	OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
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12	TYPEOFK	EPOKIII	NG PERSON (SEE INSTRUCTIONS)		
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1	NAMES OF REPORTING PERSONS				
	Artal International Management S.A.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) □ (b	o) 🗆			
2	and tide of				
3	SEC USE O	NLY			
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION		
	Luxembourg				
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	TOPED OF				
	MBER OF SHARES	6	SHARED VOTING POWER		
	EFICIALLY				
VO	VNED BY		0		
EACH		7	SOLE DISPOSITIVE POWER		
	PORTING PERSON				
1	WITH	8	SHARED DISPOSITIVE POWER		
		0	SHARED DISTOSITIVE FOWER		
			0		
9	AGGREGAT	ГЕ АМО	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
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10	O CHECK IE 3	THE AGO	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
10	U CHECK IF THE AGGREGATE AMOUNT IN KOW (9) EXCLUDES CERTAIN SHAKES (SEE INSTRUCTIONS)				
11	PERCENT C	OF CLAS	S REPRESENTED BY AMOUNT IN ROW (9)		
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12	0%	EDODTE	NG PERSON (SEE INSTRUCTIONS)		
12	T T PE OF K	EFUKIII	NO FERSON (SEE INSTRUCTIONS)		
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1	NAMES OF REPORTING PERSONS				
	Artal Group S.A.				
2	CHECK THI	E APPRO	OPRIATE BOX IF A MEMBER OF A GROUP		
	(a) □ (b	o) 🗆			
3	SEC USE O	NLY			
4	CITIZENCU	ID OD D	LACE OF ORGANIZATION		
4	CHIZENSII	IP OK P	LACE OF ORGANIZATION		
	Luxembourg				
		5	SOLE VOTING POWER		
NU	MBER OF		0		
	SHARES	6	SHARED VOTING POWER		
	EFICIALLY VNED BY				
	EACH	7	SOLE DISPOSITIVE POWER		
REPORTING		,	SOLE DISTOSTITY ETOWER		
F	PERSON		0		
	WITH	8	SHARED DISPOSITIVE POWER		
0	A CODEC AT	EE 4340	0 UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
9	AGGREGAI	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
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11	PEKCENI (JF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
	0%				
12		EPORTI	NG PERSON (SEE INSTRUCTIONS)		
	OO				

CUSIP No. 43906K209 13G

1	NAMES OF REPORTING PERSONS				
	Westend S.A.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) □ (b	o) 🗆			
3	SEC USE OF	MI V			
3	SEC USE OF	NLI			
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION		
	Luxembourg				
	Euxemoourg	5	SOLE VOTING POWER		
	MBER OF				
	SHARES	6	SHARED VOTING POWER		
	EFICIALLY VNED BY				
	EACH	7	SOLE DISPOSITIVE POWER		
REPORTING					
ŀ	PERSON WITH	0	0		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	8	SHARED DISPOSITIVE POWER		
			0		
9	AGGREGAT	ГЕ АМО	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	0				
10		THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
11		OF CLAS	S REPRESENTED BY AMOUNT IN ROW (9)		
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12	TYPE OF RI	EPORTII	NG PERSON (SEE INSTRUCTIONS)		
	00				

1	NAMES OF REPORTING PERSONS				
	Stichting Administratiekantoor Westend				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) □ (b) 🗆			
3	SEC USE ON	NLY			
4	CITIZENSH	IP OR PI	LACE OF ORGANIZATION		
	The Netherla	nds			
		5	SOLE VOTING POWER		
			0		
	MBER OF SHARES	6	SHARED VOTING POWER		
BEN	EFICIALLY				
O	WNED BY EACH	7	0 SOLE DISPOSITIVE POWER		
REPORTING		,	SOLL DISTOSITIVE TOWER		
I	PERSON WITH		0		
	VV 1 1 1 1	8	SHARED DISPOSITIVE POWER		
			0		
9	AGGREGAT	TE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
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10					
11		OF CLAS	S REPRESENTED BY AMOUNT IN ROW (9)		
12	0% TVPF OF RI	EPORTIN	NG PERSON (SEE INSTRUCTIONS)		
12	TILOTKI		10 I ERBOTT (BEE ITOTROCTIONS)		
	OO				

1	NAMES OF REPORTING PERSONS				
	Mr. Amaury Wittouck				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) □ (b) □				
	(a) 🗆 (t	,, L			
3	SEC USE ONLY				
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION		
	Belgium				
		5	SOLE VOTING POWER		
NI	MBER OF		0		
5	SHARES	6	SHARED VOTING POWER		
	EFICIALLY WNED BY		0		
EACH REPORTING PERSON		7	SOLE DISPOSITIVE POWER		
			0		
WITH		8	SHARED DISPOSITIVE POWER		
			0		
9	AGGREGAT	TE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	0				
10	CHECK IF T	THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		
11	PERCENT C	OF CLAS	S REPRESENTED BY AMOUNT IN ROW (9)		
1.5	0%	- DOD-			
12	TYPE OF R	EPORTII	NG PERSON (SEE INSTRUCTIONS)		
	IN				

Explanatory Note

On July 25, 2024, in connection with a reorganization (the "Reorganization"), Global Management replaced the Geneva branch of Artal International as the managing member of Invus PE Advisors (each defined below). Siren (defined below) is the managing member of Global Management and Mr. Raymond Debbane is the managing member of Siren. Accordingly, Artal International, Artal International Management, Artal Group, Westend, the Stichting and Mr. Amaury Wittouck (each defined below and together, the "Artal Parties") are no longer deemed to beneficially own the Shares directly held by Invus Public Equities (defined below). This Schedule 13G reports beneficial ownership as of July 25, 2024, immediately following the Reorganization, and reflects an exit filing by the Artal Parties and an initial filing on Schedule 13G by Global Management, Siren and Mr. Debbane. See Item 4.

Item 1(a). Name of Issuer:

Hookipa Pharma Inc. (the "Issuer")

Item 1(b). Address of Issuer's Principal Executive Offices:

350 Fifth Avenue, 72nd Floor, Suite 7240, New York, New York 10118

Item 2(a). Name of Person Filing:

Item 2(b). Address of Principal Business Office or, if none, Residence:

Item 2(c). Citizenship:

(i) Invus Public Equities, L.P. ("Invus Public Equities") 750 Lexington Avenue, 30th Floor, New York, NY 10022 Citizenship: Bermuda limited partnership

(ii) Invus Public Equities Advisors, LLC ("Invus PE Advisors") 750 Lexington Avenue, 30th Floor, New York, NY 10022

Citizenship: Delaware limited liability company

(iii) Invus Global Management, LLC ("Global Management") 750 Lexington Avenue, 30th Floor, New York, NY 10022 Citizenship: Delaware limited liability company

(iv) Siren, L.L.C. ("Siren")

c/o The Invus Group, LLC, 750 Lexington Avenue, 30th Floor, New York, NY 10022 Citizenship: Delaware limited liability company

(v) Raymond Debbane

750 Lexington Avenue, 30th Floor, New York, NY 10022

Citizenship: Panama

(vi) Artal International S.C.A. ("Artal International") Valley Park, 44, Rue de la Vallée, L-2661, Luxembourg Citizenship: Luxembourg limited partnership

(vii) Artal International Management S.A. ("Artal International Management")

Valley Park, 44, Rue de la Vallée, L-2661, Luxembourg

Citizenship: Luxembourg société anonyme

(viii) Artal Group S.A. ("Artal Group")

Valley Park, 44, Rue de la Vallée, L-2661, Luxembourg

Citizenship: Luxembourg société anonyme

(ix) Westend S.A. ("Westend")

Valley Park, 44, Rue de la Vallée, L-2661, Luxembourg

Citizenship: Luxembourg société anonyme

(x) Stichting Administratiekantoor Westend (the "Stichting") Claude Debussylaan, 46, 1082 MD Amsterdam, The Netherlands

Citizenship: Netherlands foundation

(xi) Mr. Amaury Wittouck

Valley Park, 44, Rue de la Vallée, L-2661, Luxembourg

Citizenship: Belgium

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons."

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.0001 per share (the "Shares")

Item 2(e). CUSIP Number:

43906K209

Item 3. If This Statement Is Filed Pursuant to Sections 240.13d-1(b) or 240.13d-2(b) or (c), Check Whether the Person Filing Is a(n):

This Item 3 is not applicable.

Item 4. Ownership.

(a) Amount beneficially owned:

As of July 25, 2024, following the Reorganization whereby Global Management became the managing member of Invus PE Advisors, Invus Public Equities directly held 566,640 Shares. Invus PE Advisors, as the general partner of Invus Public Equities, controls Invus Public Equities and, accordingly, may be deemed to beneficially own the Shares directly held by Invus Public Equities. Global Management, as the managing member of Invus PE Advisors, controls Invus PE Advisors and, accordingly, may be deemed to beneficially own the Shares that Invus PE Advisors may be deemed to beneficially own. Siren, as the managing member of Global Management, controls Global Management and, accordingly, may be deemed to beneficially own. Mr. Raymond Debbane, as the managing member of Siren, controls Siren and, accordingly, may be deemed to beneficially own the Shares that Siren may be deemed to beneficially own.

(b) Percent of class:

As of July 25, 2024, following the Reorganization, each of the Reporting Persons may be deemed to be the beneficial owner of the percentage of Shares listed on such Reporting Person's cover page. Calculations of the percentage of Shares beneficially owned are based on 9,655,059 Shares outstanding as of May 6, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on May 9, 2024 as adjusted for the 1-for-10 reverse stock split effective as of July 9, 2024 as reported in the Issuer's Periodic Report on Form 8-K filed with the Securities and Exchange Commission on July 10, 2024.

(c) Number of shares as to which Invus Public Equities, Invus PE Advisors, Global Management, Siren and Mr. Debbane has:

	566,640
(ii)	Shared power to vote or to direct the vote:
	0
(iii)	Sole power to dispose or to direct the disposition of:
	566,640

(iv) Shared power to dispose or to direct the disposition of:

Sole power to vote or to direct the vote:

0

(i)

As of July 25, 2024, following the Reorganization, Artal International, Artal International Management, Artal Group, Westend, the Stichting and Mr. Wittouck are no longer deemed to beneficially own any Shares.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following \Box .

On July 25, 2024, in connection with the Reorganization, Global Management replaced the Geneva branch of Artal International as the managing member of Invus PE Advisors. Accordingly, the Geneva branch of Artal International, Artal International Management, Artal Group, Westend, Stichting and Mr. Wittouck are no longer deemed to beneficially own the Shares directly held by Invus Public Equities and have ceased to be Reporting Persons.

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

This Item 6 is not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

This Item 7 is not applicable.

Item 8. Identification and Classification of Members of the Group.

This Item 8 is not applicable.

Item 9. Notice of Dissolution of Group.

This Item 9 is not applicable.

Item 10. Certification.

Each of the Reporting Persons hereby makes the following certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the Issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: August 2, 2024

INVUS PUBLIC EQUITIES, L.P.

By: INVUS PUBLIC EQUITIES ADVISORS,

LLC, its general partner

By: /s/ Raymond Debbane

Name: Raymond Debbane

Title: President

INVUS PUBLIC EQUITIES ADVISORS, LLC

y: /s/ Raymond Debbane

Name: Raymond Debbane

Title: President

INVUS GLOBAL MANAGEMENT, LLC

y: /s/ Raymond Debbane

Name: Raymond Debbane

Title: President

SIREN, L.L.C.

y: /s/ Raymond Debbane

Name: Raymond Debbane

Title: President

MR. RAYMOND DEBBANE

By: /s/ Raymond Debbane

ARTAL INTERNATIONAL S.C.A.

By: ARTAL INTERNATIONAL

MANAGEMENT S.A., its managing partner

By: /s/ Anne Goffard

Name: Anne Goffard
Title: Managing Director

ARTAL INTERNATIONAL MANAGEMENT S.A.

By: /s/ Anne Goffard
Name: Anne Goffard
Title: Managing Director

ARTAL GROUP S.A.

By: /s/ Anne Goffard
Name: Anne Goffard
Title: Authorized Person

WESTEND S.A.

By: /s/ Anne Goffard
Name: Anne Goffard
Title: Managing Director

STICHTING ADMINISTRATIEKANTOOR WESTEND

By: /s/ Amaury Wittouck

Name: Amaury Wittouck

Title: Sole Member of the Board

MR. AMAURY WITTOUCK

/s/ Amaury Wittouck

EXHIBIT INDEX

Exhibit Number

Title

Joint Filing Agreement

JOINT FILING AGREEMENT

The undersigned agree that the statement on Schedule 13G with respect to the Common Stock, \$0.0001 par value per share, of Hookipa Pharma Inc. is, and any amendments thereto signed by each of the undersigned shall be, filed on behalf of each of them pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended.

Dated: August 2, 2024

INVUS PUBLIC EQUITIES, L.P.

By: INVUS PUBLIC EQUITIES ADVISORS,

LLC, its general partner

By: /s/ Raymond Debbane

Name: Raymond Debbane

Title: President

INVUS PUBLIC EQUITIES ADVISORS, LLC

/s/ Raymond Debbane

Name: Raymond Debbane

Title: President

INVUS GLOBAL MANAGEMENT, LLC

/s/ Raymond Debbane

Name: Raymond Debbane

Title: President

SIREN, L.L.C.

By: /s/ Raymond Debbane

Name: Raymond Debbane

Title: President

MR. RAYMOND DEBBANE

By: /s/ Raymond Debbane

ARTAL INTERNATIONAL S.C.A.

By: ARTAL INTERNATIONAL

MANAGEMENT S.A., its managing partner

By: /s/ Anne Goffard

Name: Anne Goffard Title: Managing Director

ARTAL INTERNATIONAL MANAGEMENT S.A.

By: /s/ Anne Goffard
Name: Anne Goffard
Title: Managing Director

ARTAL GROUP S.A.

By: /s/ Anne Goffard
Name: Anne Goffard
Title: Authorized Person

WESTEND S.A.

By: /s/ Anne Goffard
Name: Anne Goffard
Title: Managing Director

STICHTING ADMINISTRATIEKANTOOR WESTEND

By: /s/ Amaury Wittouck

Name: Amaury Wittouck

Title: Sole Member of the Board

MR. AMAURY WITTOUCK

/s/ Amaury Wittouck