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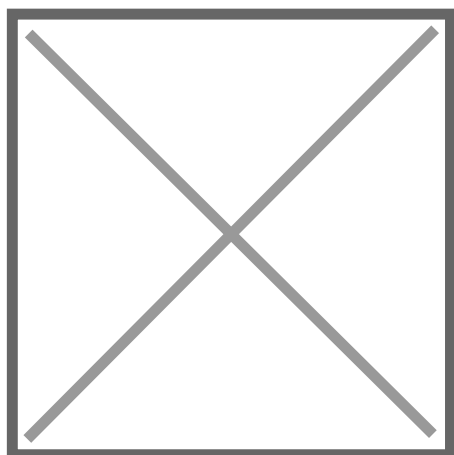
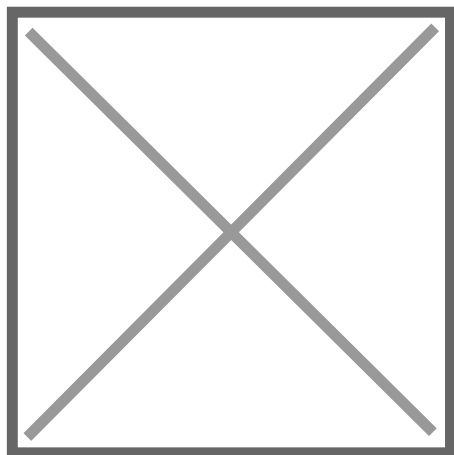
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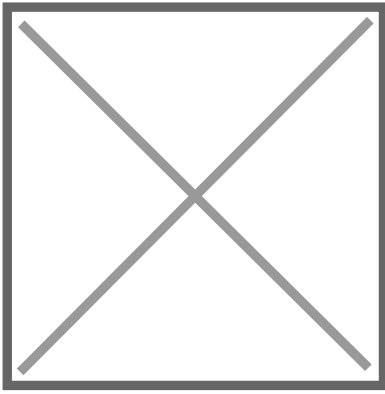
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Add to Compare

M2 Human Toxicology, Risk Assessment and Vigilance (THERV) - Work-study programme



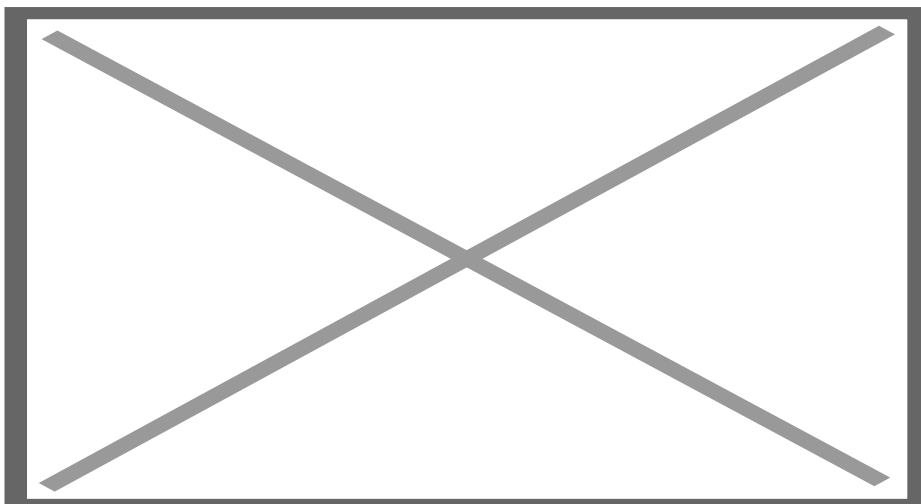
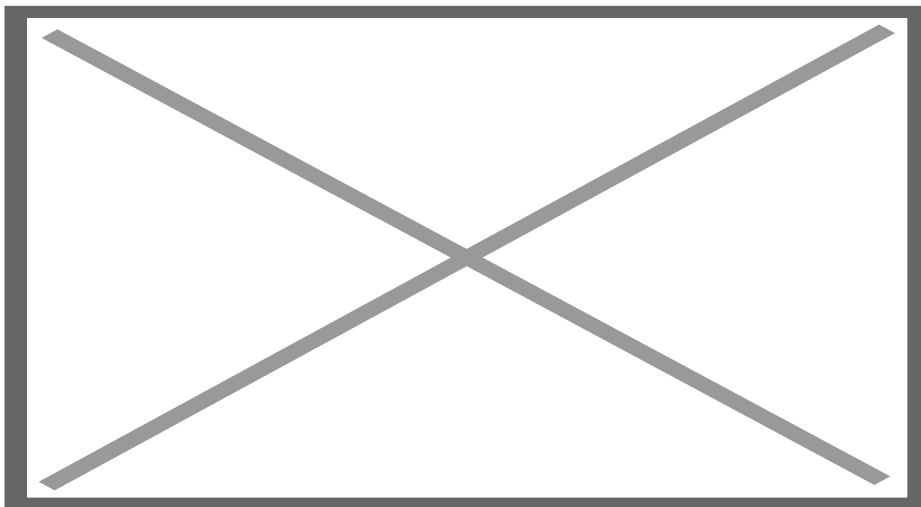


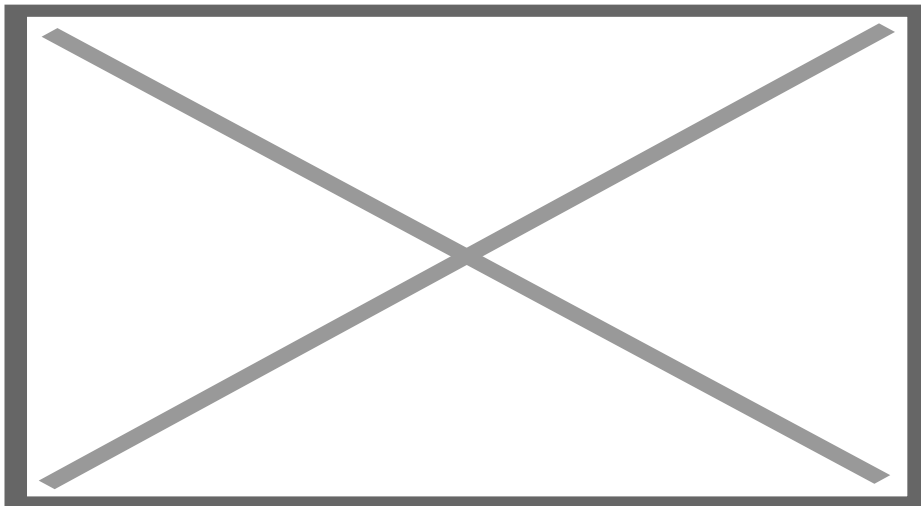
Master's degree
Specialisation Pharmaceutical Science
Enrolment type
Work-study programme
Language(s) of instruction
English French

Multidisciplinary in nature, toxicology is a rare cross-disciplinary field that combines medicine, biology, chemistry, and environmental sciences. The diversity of the teaching units available to candidates during the M2THERV program provides them with excellent training as general toxicologists or more specialized toxicologists in regulatory toxicology.

A 3-week core program followed by one teaching unit per month

[Télécharger la fiche détaillée](#)
[Apply Now](#)





Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

Skills

1. Establish the relationship between identifying the hazards associated with a product and the risks associated with its use.
2. Use scientific reasoning and experimental methods (toxicity assessment models) in the field of toxicology.
3. Communicate and argue the results of your research in writing and orally in both French and English.
4. Critically analyze scientific articles and regulatory reports in order to find relevant information.
5. Understand the essential elements of regulatory toxicology for health products and know how to self-train in this field.
6. Apply essential knowledge in health product vigilance, including regulatory aspects.

Objectives

Graduates with a master's degree in Toxicology are legally authorized to perform risk assessment functions in both the pharmaceutical and cosmetics industries. Consequently, they must have all the knowledge required in the field of toxicity mechanisms, toxicity assessment methods, and related regulations necessary to perform this function.

Débouchés

Career prospects

Chargé de pharmacovigilance, chargé de cosmétovigilance, chargé de matériovigilance

Evaluateur de la sécurité d'emploi des produits dans le secteur industriel (santé, chimie, agrochimie, cosmétique, CRO) : directeur d'études CRO, toxicologue réglementaire

Métiers dans la recherche académique ou privée (chercheur, enseignant-chercheur, ingénieur de recherche, chef de projet R&D, carrières hospitalo-universitaires) après une poursuite en doctorat
Métiers de l'évaluation du secteur public (ANSM, ANSES), Institut de veille sanitaire : évaluateur toxicologue (médicaments, biocides, cosmétiques, pesticides), chef de projet normes (VLP, VTR),

directeur d'étude de toxicologie

Calendar

Start of programme (indicative date)

04/09/2026

End of programme (indicative date)

18/09/2027

Admission

Capacity

Available Places

15

Target Audience and Entry Requirements

- Students who have completed a Master's 1 degree in SMPS or a related field (Biology, Biology-Health) at a university offering education comparable to that of Paris-Saclay University, in France or in European Union countries, after validation of specific prerequisite knowledge by the Master's 2 program director;
- Students who have studied health sciences (pharmacy, medicine, dentistry, veterinary medicine) in the European Union (and universities with agreements), having completed the fifth year of study or an equivalent to an M1 degree;
- Students with an engineering degree equivalent to an M1 degree;
- Be under 30 years of age to be eligible for an apprenticeship contract.
- Initial knowledge of toxicology, an academic level in the field and related fields (depending on the candidates' profile: biology, pharmacology, public health, etc.) and experience in the field of toxicology (research internships, in industry, in agencies) are required.

Période(s) de candidature

Inception Platform

From 02/02/2026 to 24/04/2026

Supporting documents

Compulsory supporting documents

Motivation letter.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

describe in detail the Toxicology and Biology courses, with particular emphasis on the optional courses followed

Additional supporting documents

Pharmacy or engineer transcripts.

Certificate of English level.

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Recommendation letters.

Supporting documents :

- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

Tronc commun

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
V2 - Toxicologie Réglementaire 1 : définitions, principes et organisations	3	Semestre 1	20	5				

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

V2 - Toxicologie Réglementaire

1 : définitions, principes et organisations

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 20

Directed study: 5

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

[V3 -](#)

[Toxicologie](#)

[Réglementaire](#)

[2 :](#)

[expérimentation](#)

[et tests](#)

3

Semestre
1

20

5

V3 - Toxicologie Réglementaire

2 : expérimentation et tests

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 20

Directed study: 5

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Aucun

Type of assessment

Evaluation Continue non Intégrale

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
V14 - Discussion avec jury sur projet et article	3	Semestre 1						
■								

V14 - Discussion avec jury sur projet et article

ECTS : 3

Semester: Semestre 1

Detail

Tutored project 15

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

V13 - Présentation projet et article	3	Semestre 1
■		

V13 - Présentation projet et article

ECTS : 3

Semester: Semestre 1

Detail

Tutored project 15

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
M1 - Mécanisme d'action des toxiques	3	Semestre 1	22	3				
■								

M1 - Mécanisme d'action des toxiques

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 22

Directed study: 3

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Aucun

Type of assessment

Evaluation Continue non Intégrale

V7 - Toxicologie cellulaire	3	Semestre 1	18	7
■				

V7 - Toxicologie cellulaire

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 18

Directed study: 7

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Aucun

Type of assessment

Evaluation Continue non Intégrale

M2 - Pathologies non tumorales	3	Semestre 1	19	6
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

■

M2 - Pathologies non tumorales

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 19

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

UE optionnelles

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
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[V2 - Toxicologie Réglementaire 1 : définitions, principes et organisations](#)

3	Semestre 1	20	5
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

V2 - Toxicologie Réglementaire 1 : définitions, principes et organisations

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 20

Directed study: 5

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

[V3 - Toxicologie](#)

[Réglementaire 2 :
expérimentation et
tests](#)

3	Semestre 1	20	5
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V3 - Toxicologie Réglementaire 2 : expérimentation et tests

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 20

Directed study: 5

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Aucun

Type of assessment

Evaluation Continue non Intégrale

[V1 - Toxicologie
d'organes](#)

3	Semestre 1	17	8
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

V1 - Toxicologie d'organes

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 17

Directed study: 8

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

V9 - Anatomo-Pathologie	3	Semestre 1	16
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V9 - Anatomo-Pathologie

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 16

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

V8 - Analyse de cas	3	Semestre 1	0	25
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

V8 - Analyse de cas

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 0

Directed study: 25

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Aucun

Type of assessment

Evaluation Continue non Intégrale

V6 - Toxicologie Analytique	3	Semestre 1	16	6
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V6 - Toxicologie Analytique

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 16

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

V5 - Immunotoxicologie	3	Semestre 1	18	7
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
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■

V5 - Immunotoxicologie

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 18

Directed study: 7

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

[V12 - Ingénierie](#)

[tissulaire et](#)

[toxicologie](#)

[prédictive :](#)

[Application aux](#)

[dispositifs](#)

[médicaux et](#)

[cosmétiques](#)

3

Semestre

1

■

V12 - Ingénierie tissulaire et toxicologie prédictive : Application aux dispositifs médicaux et cosmétiques

ECTS : 3

Semester: Semestre 1

Detail

Tutored project 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[V11 - Métabolisme](#)

[et transports des](#)

[xénobiotiques](#)

3

Semestre

1

16

6

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
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V11 - Métabolisme et transports des xénobiotiques

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 16

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

V10 - Toxicologie Clinique	3	Semestre 1	25	0
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V10 - Toxicologie Clinique

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 25

Directed study: 0

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

aucun

Type of assessment

Evaluation Continue non Intégrale

S7 - Toxicologie réglementaire des produits chimiques	3	Semestre 1	30
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

S7 - Toxicologie réglementaire des produits chimiques

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[S6 - Ecotoxicologie](#) 3 Semestre 1 30

S6 - Ecotoxicologie

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[S8 - Toxicologie de la reproduction](#) 3 Semestre 1 30

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

S8 - Toxicologie de la reproduction

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[V4 - Toxicologie](#)

[Réglementaire 3 : les vigilances](#) 3 Semestre 1 20

V4 - Toxicologie Réglementaire 3 : les vigilances

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 20

Tutored project 10

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Aucun

Type of assessment

Evaluation Continue non Intégrale

[S9 - Toxicologie](#)

[des aliments](#) 3 Semestre 1 30

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------

S9 - Toxicologie des aliments

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 30

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[M3 -](#)

[Cancérogénèse et pathologies tumorales](#)

3	Semestre 1	19	6
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M3 - Cancérogénèse et pathologies tumorales

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 19

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Aucun

Type of assessment

Evaluation Continue non Intégrale

[UE libre S2](#)

3	Semestre 2
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
■									

UE libre S2

ECTS : 3

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Terminale

Bloc 3 : Activité en entreprise

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
Activité en entreprise	25	Semestre 2	2						
■									

Activité en entreprise

ECTS : 25

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Congrès en Toxicologie	0	Semestre 1	45	45
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■

Congrès en Toxicologie

ECTS : 0

Semester: Semestre 1

Detail

Lecture: 45

Directed study: 45

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Teaching Location(s)

ORSAY
PARIS 06

Contact

- **Saadia Kerdine-Römer**

PR

- **Véronique Leblais**

Responsable formation

<http://www.universite-paris-saclay.fr/formation/master/sciences-du-medicament-et-des-produits-de-sante/m2-toxicologie-humaine-evaluation-des-risques-et-vigilance-therv-alternance>