

**School of  
Basic Sciences (SB)  
Gender Monitoring  
EPFL 2019-2020**

**EPFL**

## TABLE OF CONTENTS

<b>Overview</b> .....	<b>p. 2</b>
<b>Bachelor Students</b> .....	<b>p. 3</b>
- <i>Number and %</i>	<i>p. 3</i>
- <i>Percentage of women by section</i>	<i>p. 3</i>
- <i>Percentage by nationality and residence</i>	<i>p. 3</i>
<b>Master Students</b> .....	<b>p. 4</b>
- <i>Number and %</i>	<i>p. 4</i>
- <i>Percentage of women by section</i>	<i>p. 4</i>
- <i>Percentage by nationality and residence</i>	<i>p. 4</i>
<b>PhD Students</b> .....	<b>p. 5</b>
- <i>Number and %</i>	<i>p. 5</i>
- <i>Percentage of women by section</i>	<i>p. 5</i>
- <i>Percentage by nationality and residence</i>	<i>p. 5</i>
<b>Scientific Collaborators</b> .....	<b>p. 6</b>
- <i>Scientific Collaborators</i>	<i>p. 6</i>
- <i>Senior Scientists (MER)</i>	<i>p. 6</i>
<b>Professors</b> .....	<b>p. 7</b>
- <i>Tenure Track Assistant Professors</i>	<i>p. 7</i>
- <i>Associate and Full Professors</i>	<i>p. 7</i>
- <i>Percentage of women in professorial positions</i>	<i>p. 7</i>
<b>Abbreviations and technical notes</b> .....	<b>p. 8</b>

## OVERVIEW

The graph below gathers data from the SB School for the years 2010 and 2019, allowing us to see the trend of the percentages of men and women at the different levels of an academic career. The detailed trend is indicated by the graphs on the following pages.

The percentage of female Bachelor students in SB remained generally unchanged over the last ten years. It was 29% (225/ 785 Bachelor students) in 2010, and remains the same in 2019 (314/ 1068 students) and 2017 (309/ 1051 students).

The percentage of female Master students in SB was 27% (80/299) in 2010, and 31% in 2019 (154/ 498). In 2017 it was 26% (124/ 481 students).

The percentage of female PhD students in SB was 28% in 2010 (130/465 PhD students). It increased to 30% (174/ 580 PhD students) in 2019. In 2017, it was 25% (138/ 558).

The percentage of female Scientific collaborators in SB increased from 18% in 2010 (51.1 FTE/290.1) to 22% in 2019 (88.2/409.3). It was 20% (82 FTE/ 408) in 2017.

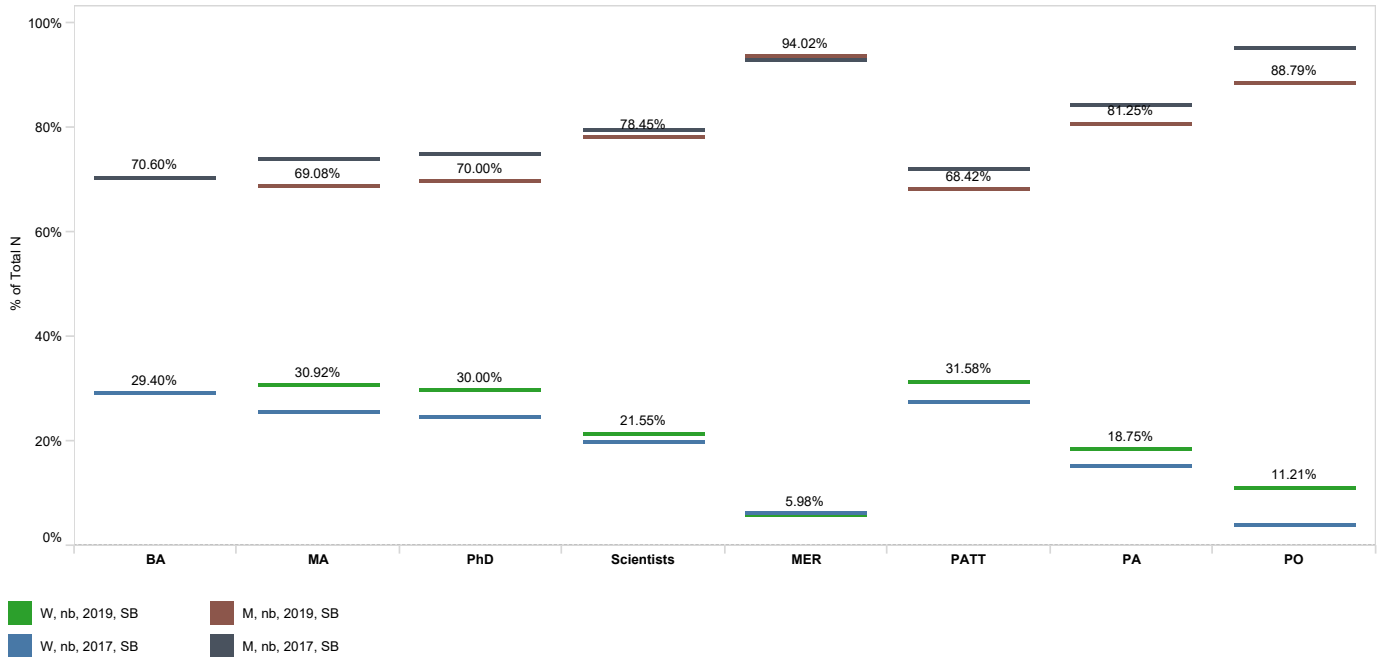
The percentage of women MER increased from 12% in 2010 (3.8/31.6) to 6% (1.8/30.1) in 2019. It was 9% (1.8/27.6 EFA) in 2017.

The percentage of PATT occupied by women increased from 15% in 2010 (2.0/13.0) to 32% in 2019 (6.0/19.0). It was 28% (5.0/18.0 FTE of PATT) in 2017.

The percentage of women among PA increased from 15% in 2010 (1 FTE/6.5) to 19% in 2019 (3 FTE/16). In 2017 it was 15% (2 EFA/13).

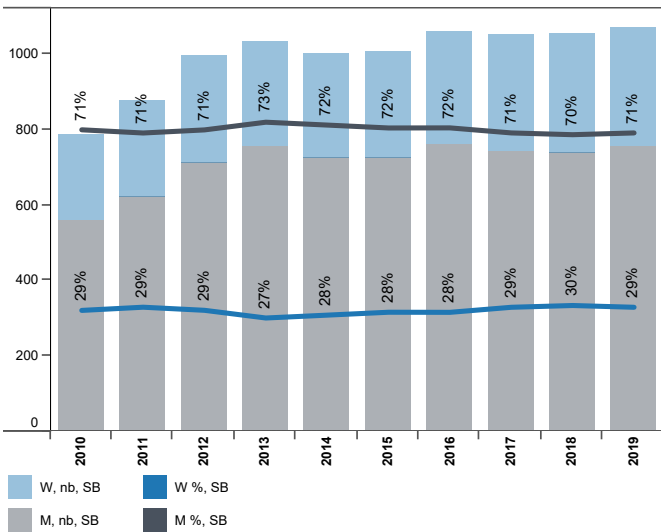
The percentage of women among PO increased from 5% in 2010 (2.7 FTE/51.3) to 11% in 2019 (5.5 FTE/49.1). In 2017 it was 6% (2 FTE/46.4).

Overview, School of Basic Sciences, 2010 et 2019



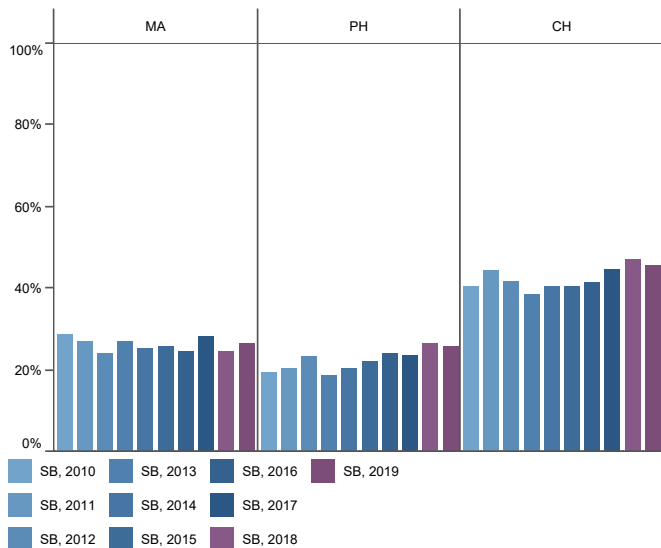
# BACHELOR STUDENTS

Number and %, School of Basic Sciences, Bachelor, 2010-2019



The percentage of female students at Bachelor degree in SB has remained globally unchanged over the last ten years. It was 29% (225/ 785 Bachelor students) in 2010, and will remain at the same rate in 2019 (314/ 1068 students). In 2017, the year of the previous gender monitoring, the percentage of female Bachelor students in SB was also 29% (309/ 1051 students).

Percentage of women by section, School of Basic Sciences, Bachelor, 2010-2019

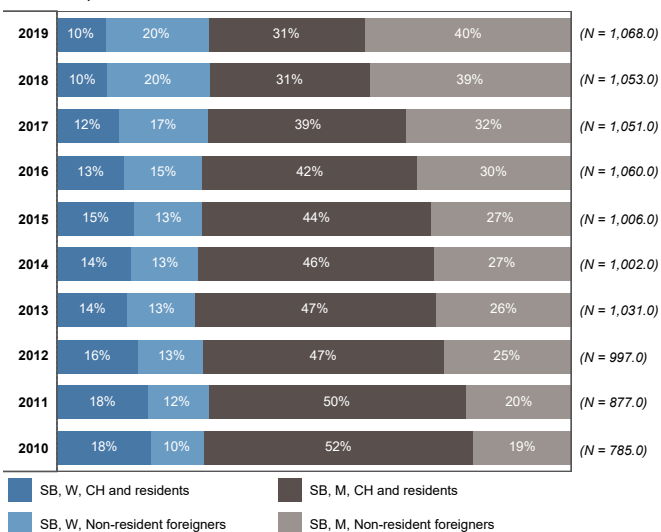


In Mathematics (MA), the percentage of female Bachelor students was 29% in 2010 (66/230 Bachelor students) and 27% (101/379 students) in 2019. In the previous gender monitoring in 2017, the percentage of female Bachelor students in Mathematics was 28% (95/339 students).

The number of female Bachelor students in Physics (PH) was 19% (61/ 314 Bachelor students) in 2010. It reached its highest rate in 2018 with 27% (116/ 493 students), and is at 25% (128/ 502 students) in 2019. In 2017, at the time of the previous gender monitoring, the percentage of female bachelor students in Physics was 24% (116/ 493 students).

In Chemistry (CH), the percentage of female Bachelor students was 41% in 2010 (98/241 students). It reached its highest level in 2018 with 47% (98/219 students), and is 45% in 2019 (85/187 students). In the previous gender monitoring, in 2017, the percentage of female Bachelor students in Chemistry was 45% (98/219 students).

Percentage by nationality and residence, School of Basic Sciences, Bachelor, 2010-2019



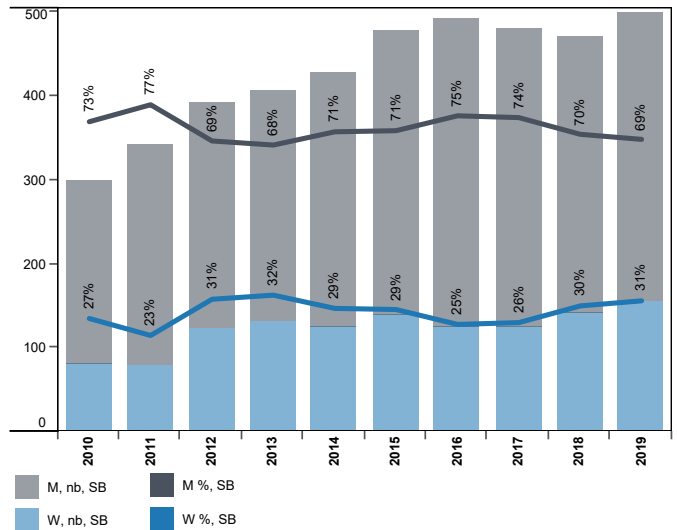
The SB Bachelor students became internationalized between 2017 and 2019. The percentage of international students increased from 49% in 2017 to 60% in 2019.

The percentage of women among Bachelor students from countries other than Switzerland [1] was 35% in 2017 and 33% in 2019. Among Swiss students, the percentage of women remained stable at 24% in 2017 and 2019.

[1] The category "CH and residents" includes Swiss and foreign nationals who obtained their university entrance qualification in Switzerland. In the chart, 100% refers to the total number of international and Swiss students. In the text above, the percentages refer to 100% of international students and 100% of Swiss students.

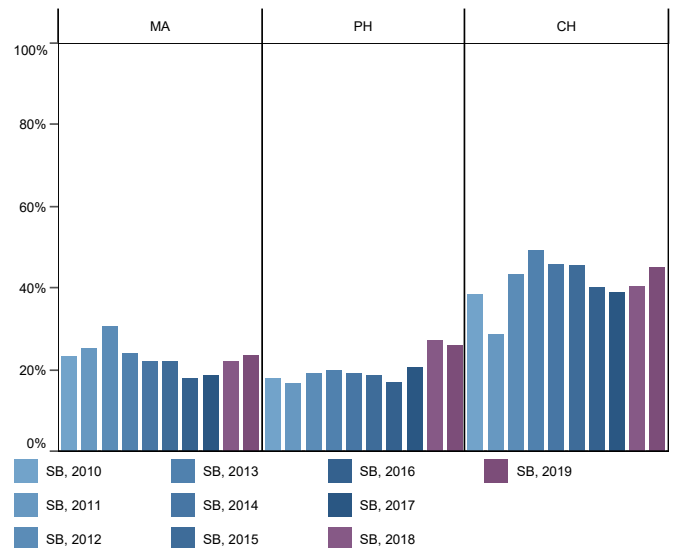
# MASTER STUDENTS

Number and %, School of Basic Sciences, Master, 2010-2019



The percentage of female Master students in SB was 27% (80/299 Master's students) in 2010, and 31% in 2019 (154/ 498 students). In 2017, the year of the previous gender monitoring, the percentage of female Master students in SB was 26% (124/481 students).

Percentage of women by section, School of Basic Sciences, Master, 2010-2019

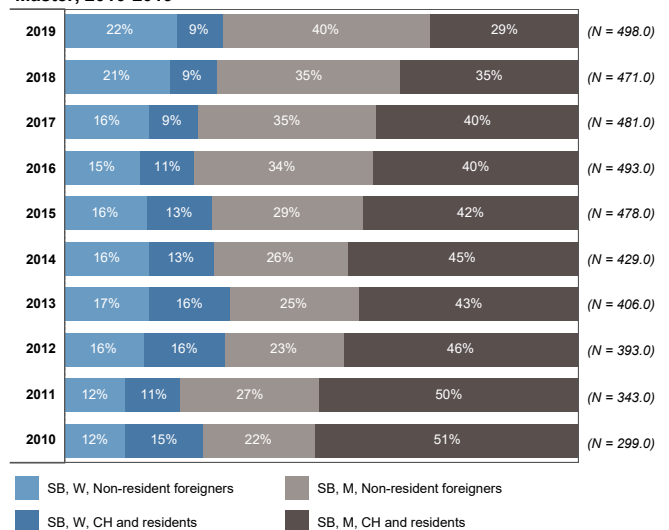


In Mathematics (MA), the percentage of female Master students shows some variation, and a rather downward trend. It was 23% in 2010 (15/65 Master students) and 23% (35/149 students) in 2019. With 31% (32/ 104 students), 2012 saw the highest percentage of women. In the previous Gender Monitoring in 2017, the percentage of female Master's students in Mathematics was 18% (29 / 157 students).

The number of female Master students in Physics (PH) was 18% (21/ 119 Master students) in 2010. It reached its highest rate in 2018 with 27% (51/ 186 students), and is at 26% (53/ 203 students) in 2019. In 2017, at the time of the previous gender monitoring, the percentage of female Master students in Physics was 21% (35/170 students).

In Chemistry (CH), the percentage of female Master students was 38% in 2010 (44/ 115 students). It reached its highest rate in 2013 with 49% (76/ 154 students), and is at 45% in 2019 (66/ 146 students). In the previous gender monitoring, in 2017, the percentage of female Master's students in Chemistry was 39% (60/ 154 students).

Percentage by nationality and residence, School of Basic Sciences, Master, 2010-2019



Master students in SB have become more international, the percentage of Master's students in SB International (of foreign nationality and educated abroad) has increased from 51% in 2017 to 62% in 2019.

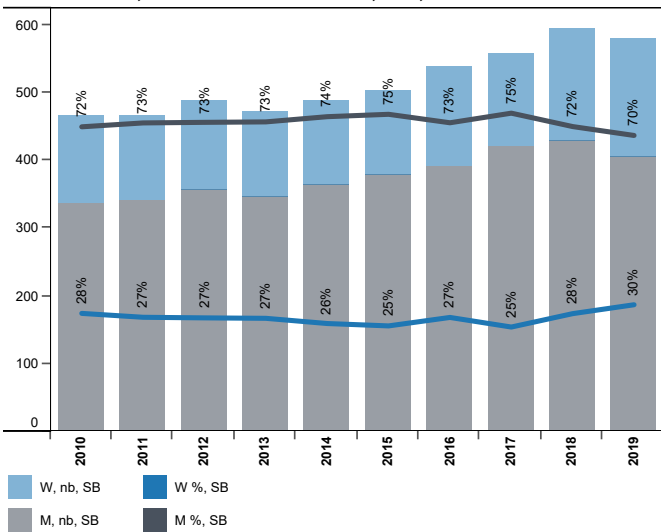
The percentage of women among Master students from countries other than Switzerland [1] was 33% in 2017 and 35% in 2019. Among Swiss students, the percentage of women increased from 19% in 2017 to 24% in 2019.

[1] The category "CH and residents" includes Swiss and foreign nationals who obtained their university entrance qualification in Switzerland.

In the chart, 100% refers to the total number of international and Swiss students. In the text above, the percentages refer to 100% of international students and 100% of Swiss students.

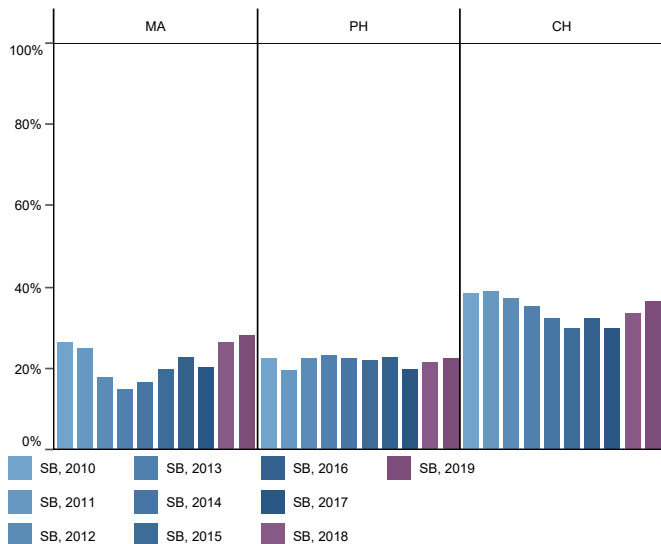
# PHD STUDENTS

Number and %, School of Basic Sciences, PhD, 2010-2019



The percentage of female PhD students in SB was 28% in 2010 (130/465 PhD students). It increased to 30% (174/ 580 PhDs) in 2019. In 2017, time of the previous gender monitoring, the percentage of female PhD students in SB was 25% (138/ 558).

Percentage of women by section, School of Basic Sciences, PhD, 2010-2019

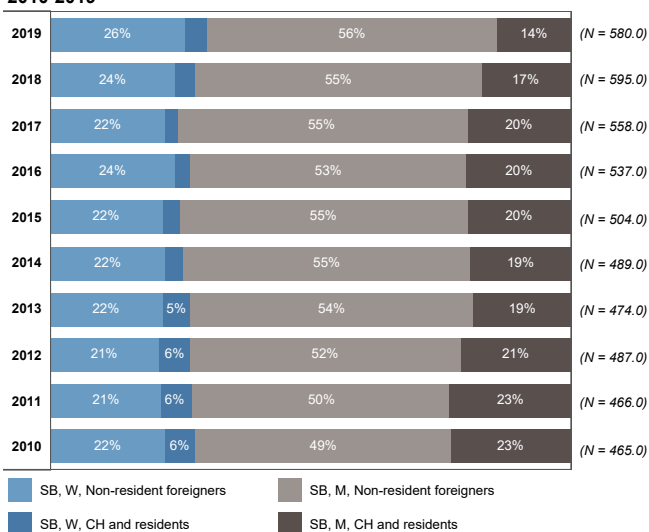


In Mathematics (MA), the percentage of female PhD students increased from 27% (21/79) in 2010 to 28% (22/78) in 2019. In 2017, in the previous gender monitoring it was 21% (16 / 78).

In Physics (PH), the percentage of female PhD students increased from 22% (54/243) in 2010 to 23% (50/280) in 2019. In 2017, in the previous gender monitoring it was 20% (44/220).

From 38% in 2010 (55/143 PhD students), the percentage of female PhD students in Chemistry (CH) increased to 36% in 2019 (102/280). In 2017, in the previous gender monitoring, the percentage of female PhD students in Chemistry was 30% (78/260).

Percentage by nationality and residence, School of Basic Sciences, PhD, 2010-2019



The population of PhD students in SB has become more internationalized, the percentage of PhD students in SB International (foreign nationals and foreign-educated) has increased from 77% in 2017 to 82% in 2019.

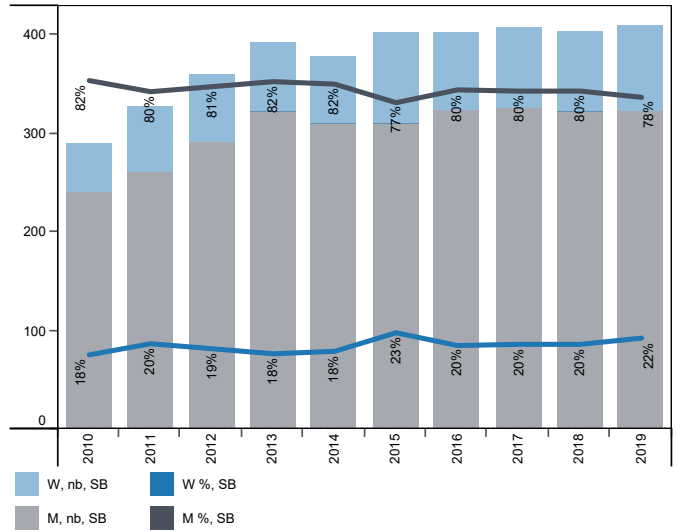
The percentage of women among PhD students from countries other than Switzerland [1] as 28% in 2017 and 32% in 2019. Among Swiss doctoral students in SB, the proportion of women increased from 13% in 2017 to 23% in 2019.

[1] The category "CH and residents" includes Swiss and foreign nationals who obtained their university entrance qualification in Switzerland.

In the chart, 100% refers to the total number of international and Swiss students. In the text above, the percentages refer to 100% of international students and 100% of Swiss students.

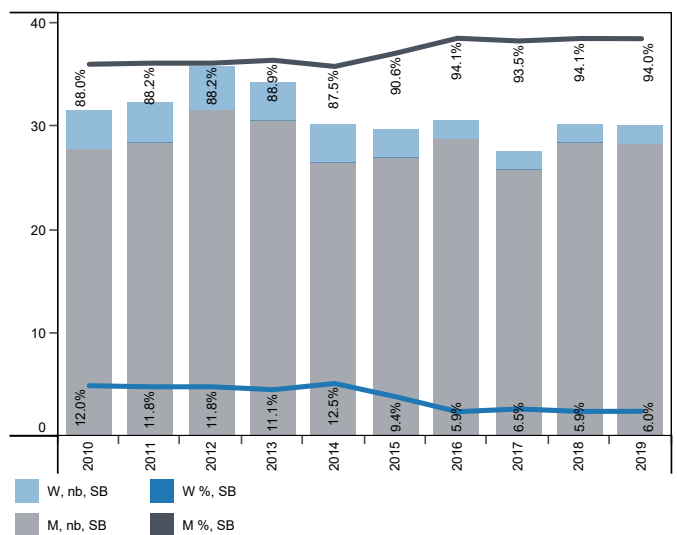
## SCIENTIFIC COLLABORATORS

**Number and %, School of Basic Sciences, 2010-2019**



The percentage of positions (FTE) of scientific collaborators in SB occupied by women increased from 18% in 2010 (51.1/ 290.1) to 22% in 2019 (88.2/ 409.3). It was 20% (82/408) in the previous gender monitoring in 2017.

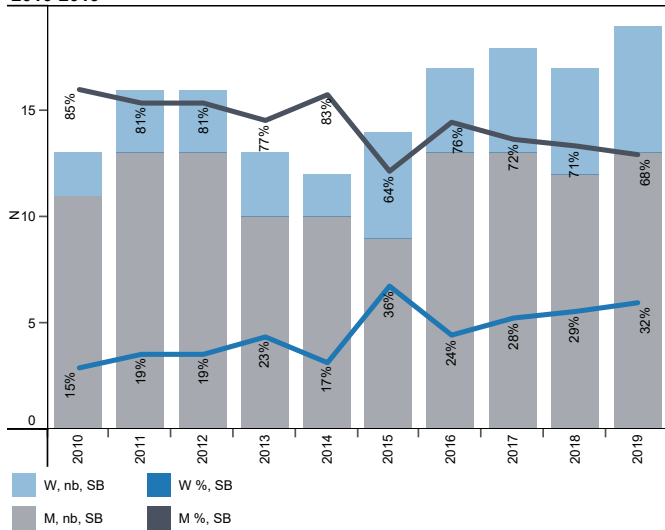
**Senior scientists (MER), FTE and %, School of Basic Sciences, 2010-2019**



The percentage of positions (FTE) in MER in SB occupied by women decreased from 12% in 2010 (3.8/31.6) to 6% (1.8/30.1) in 2019. It was 9% (1.8/27.6 FTE) in 2017, in the previous gender monitoring.

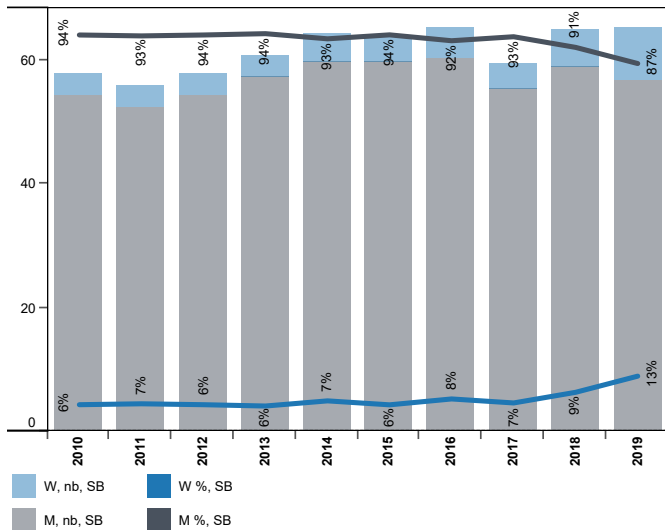
# PROFESSORS

**Tenure Track Assistant Professors, FTE and %, School of Basic Sciences, 2010-2019**



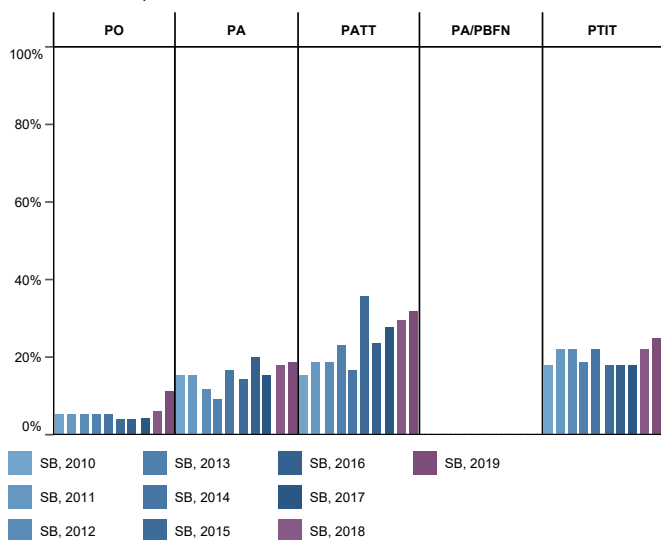
The percentage of PATT occupied by women increased from 15% in 2010 (2.0/13.0) to 32% in 2019 (6.0/19.0). It was 28% (5.0/18.0 FTE of PATT) in 2017 in the previous gender monitoring.

**Associate and Full Professors, FTE and %, School of Basic Sciences, 2010-2019**



The percentage (FTE) of PO and PA positions in SB occupied by women increased from 6% in 2010 (3.7/57.8 FTE of PO and PA) to 13% in 2019 (8.5/65.1 positions). In 2017, in the previous gender monitoring it was 7% (4/59.4 FTE of PO and PA).

**Percentage of women in professorial positions, % by function, School of Basic Sciences, 2010-2019**



The percentage of women among PO in SB increased from 5% (2.7 FTE/51.3) in 2010 to 11% (5.5 FTE/49.1) in 2019. In 2017 (previous gender monitoring report) it was 4% (2 FTE/46).

The percentage of women among PA in SB increased from 15% in 2010 (1 FTE/6.5) to 19% in 2019 (3 FTE/ 16). In 2017 (previous gender monitoring report), women PA accounted for 15% (2 FTE/13).

The percentage of women among PATT increases from 15% in 2010 (2 FTE/13) to 32% in 2019 (6 FTE/19). The rate of women is up from 28% (5/18) in 2017.

The number of non tenure track assistant professors (PB FN) in SB decreased from 8 to 2 between 2010 and 2019. There were no female PB FN in SB during this period.

The percentage of women among PTIT in SB increased from 18% in 2010 (3 FTE/17) to 25% in 2019 (4 FTE/16). It has increased since the previous gender monitoring report in 2017 when it was 18% (3 FTE/17).



## ABBREVIATIONS AND TECHNICAL NOTES

### Data

With the exception of the data on apprentices and managers, the data were provided by the Budget and Planning Officer who reports to the Vice-President for Finance.

<https://www.epfl.ch/about/vice-presidencies/fr/vice-presidences/vice-presidence-pour-les-finances/>

*Most of the data are available online under: [www.epfl.ch/about/overview/fr/statistiques-institutionnelles/](http://www.epfl.ch/about/overview/fr/statistiques-institutionnelles/)*

### Students

*Student data is collected approximately seven weeks after the start of the fall semester.*

**BSc** - Bachelor of Science

**MSc** - Master of Science

**PhD** - EPFL PhD students

**Place of education** - refers to the distinction from the Federal Office of Statistics between Swiss students and citizens of another nationality who have been schooled in Switzerland, and foreign students who have been schooled abroad

**CH + residents** - Swiss students and foreign citizens living in Switzerland and who have been schooled in Switzerland

**Non-resident** - Foreign students who have been educated abroad

### Staff

*Staff data are established at the end of the calendar year, on December 31.*

**FTE** - Full time equivalent

**PO** - Full professors

**PA** - Associate professors

**PATT** - Tenure Track Assistant Professors

**PB FN** - Swiss National Science Foundation-funded Professors.

**PT** - Adjunct professors

**MER** - Senior scientists

**Scientific collaborators** - Persons hired by EPFL after a PhD or equivalent professional experience, assuming training and research missions.

### School and sections

**SB** – School of Basic Sciences

**MA** - Mathematics Section

**PH** - Physics Section

**CH** - Chemistry Section