



**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**PEDRO DAVID SEGURA CHAMA**

## Datos Generales

**Nombre:** PEDRO DAVID SEGURA CHAMA

**Máximo nivel de estudios:** LICENCIATURA

**Antigüedad académica en la UNAM:** 1 año

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## Nombramientos

**Último:** PROFESOR ASIGNATURA A TP No Definitivo  
Facultad de Ciencias  
Desde 01-01-2010 hasta 30-04-2010

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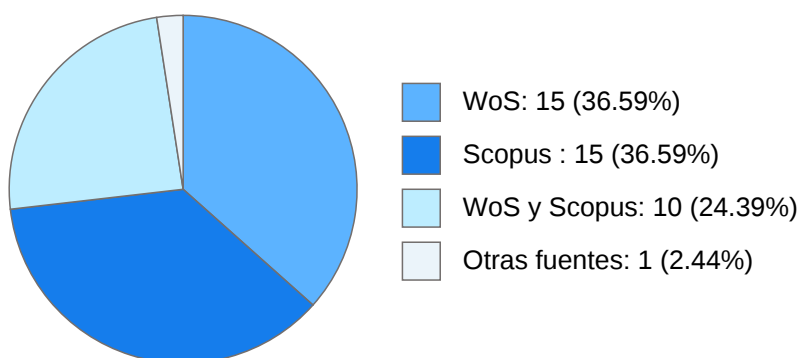
## Estímulos, programas, premios y reconocimientos

SNI I 2017 - 2023  
SNI C 2014 - 2016

**PEDRO DAVID SEGURA CHAMA**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



| # | Título                                                                                                                                                              | Autores                                                                                                        | Revista                                                  | Año  |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------|
| 1 | Calcium Imaging and Amperometric Recording in Cultured Chromaffin Cells and Adrenal Slices from Normotensive, Wistar Kyoto Rats and Spontaneously Hypertensive Rats | MARIA MILDRED TZITZITLINI<br>ALEJANDRE GARCIA PEDRO DAVID<br>SEGURA CHAMA DIANA ALICIA<br>MILLAN ALDACO et al. | Methods in<br>Molecular<br>Biology                       | 2023 |
| 2 | Non-Excitatory Amino Acids, Melatonin, and Free Radicals: Examining the Role in Stroke and Aging                                                                    | PEDRO DAVID SEGURA CHAMA<br>Victoria Jimenez Carretero Eva<br>Ramos et al.                                     | Antioxidants                                             | 2023 |
| 3 | Development of the hypersecretory phenotype in the population of adrenal chromaffin cells from prehypertensive SHR                                                  | PEDRO DAVID SEGURA CHAMA RUTH<br>RINCON HEREDIA DIANA ALICIA<br>MILLAN ALDACO et al.                           | PFLUGERS<br>ARCHIV-EUROPE<br>AN JOURNAL OF<br>PHYSIOLOGY | 2021 |
| 4 | Properties and Differential Expression of H <sup>+</sup> Receptors in Dorsal Root Ganglia: Is a Labeled-Line Coding for Acid Nociception Possible?                  | PEDRO DAVID SEGURA CHAMA Páez<br>O. Almanza A. et al.                                                          | FRONTIERS IN<br>PHYSIOLOGY                               | 2021 |
| 5 | Modulation of intracellular calcium concentration by D2-like DA receptor agonists in non-peptidergic DRG neurons is mediated mainly by D4 receptor activation       | PEDRO DAVID SEGURA CHAMA<br>ENOCH LUIS BALTAZAR FRANCISCO<br>JULIO PELLICER GRAHAM et al.                      | NEUROSCIENCE<br>LETTERS                                  | 2020 |

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|    |                                                                                                                                                                                                                                                                                                           |                                                                                                                  |                                                                  |      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------|
| 6  | D2-like receptor agonist synergizes the $\mu$ -opioid agonist spinal antinociception in nociceptive, inflammatory and neuropathic models of pain in the rat                                                                                                                                               | PEDRO DAVID SEGURA CHAMA<br>FRANCISCO JULIO PELLICER GRAHAM<br>Mercado-Reyes J. et al.                           | EUROPEAN<br>JOURNAL OF<br>PHARMACOLOG<br>Y                       | 2019 |
| 7  | Cellular Mechanism for Specific Mechanical Antinociception by D2-like Receptor at the Spinal Cord Level                                                                                                                                                                                                   | PEDRO DAVID SEGURA CHAMA<br>ENOCH LUIS BALTAZAR KARINA<br>SIMON ARCEO et al.                                     | Neuroscience                                                     | 2019 |
| 8  | Erratum to: Modulation of spontaneous intracellular $Ca^{2+}$ fluctuations and spontaneous cholinergic transmission in rat chromaffin cells in situ by endogenous GABA acting on GABAA receptors (Pflügers Archiv - European Journal of Physiology, (2016), 468, 2, (351-365), 10.1007/s00424-015-1744-y) | MARIA MILDRED TZITZITLINI<br>ALEJANDRE GARCIA PEDRO DAVID<br>SEGURA CHAMA ELIA MARTHA PEREZ<br>ARMENDARIZ et al. | PFLUGERS<br>ARCHIV-EUROPE<br>AN JOURNAL OF<br>PHYSIOLOGY         | 2017 |
| 9  | Modulation of spontaneous intracellular $Ca^{2+}$ fluctuations and spontaneous cholinergic transmission in rat chromaffin cells in situ by endogenous GABA acting on GABA(A) receptors                                                                                                                    | MARIA MILDRED TZITZITLINI<br>ALEJANDRE GARCIA PEDRO DAVID<br>SEGURA CHAMA ELIA MARTHA PEREZ<br>ARMENDARIZ et al. | PFLUGERS<br>ARCHIV-EUROPE<br>AN JOURNAL OF<br>PHYSIOLOGY         | 2016 |
| 10 | Contribution of Automated Technologies to Ion Channel Drug Discovery                                                                                                                                                                                                                                      | ARTURO PICONES MEDINA ARLET DEL<br>CARMEN LOZA HUERTA PEDRO DAVID<br>SEGURA CHAMA et al.                         | Advances in<br>Protein<br>Chemistry and<br>Structural<br>Biology | 2016 |
| 11 | Enhanced $Ca^{2+}$ -induced $Ca^{2+}$ release from intracellular stores contributes to catecholamine hypersecretion in adrenal chromaffin cells from spontaneously hypertensive rats                                                                                                                      | PEDRO DAVID SEGURA CHAMA<br>Patricia LopezBistrain ELIA MARTHA<br>PEREZ ARMENDARIZ et al.                        | PFLUGERS<br>ARCHIV-EUROPE<br>AN JOURNAL OF<br>PHYSIOLOGY         | 2015 |
| 12 | Different contributions of calcium channel subtypes to electrical excitability of chromaffin cells in rat adrenal slices                                                                                                                                                                                  | PEDRO DAVID SEGURA CHAMA<br>ARTURO HERNANDEZ CRUZ Albiñana<br>E. et al.                                          | JOURNAL OF<br>NEUROCHEMIST<br>RY                                 | 2015 |
| 13 | Atypical $Ca^{2+}$ currents in chromaffin cells from SHR and WKY rat strains result from the deficient expression of a splice variant of the $\alpha_1D$ $Ca^{2+}$ channel                                                                                                                                | PEDRO DAVID SEGURA CHAMA<br>CLAUDIA VERONICA RIVERA<br>CERECEDO ARTURO HERNANDEZ<br>CRUZ et al.                  | AM J<br>PHYSIOL-HEART<br>C                                       | 2012 |
| 14 | Modulation by endogenously released ATP and opioids of chromaffin cell calcium channels in mouse adrenal slices                                                                                                                                                                                           | ADAN HERNANDEZ CORTES PEDRO<br>DAVID SEGURA CHAMA JOSE<br>NICOLAS JIMENEZ PEREZ et al.                           | AMERICAN<br>JOURNAL OF<br>PHYSIOLOGY-CE<br>LL PHYSIOLOGY         | 2011 |



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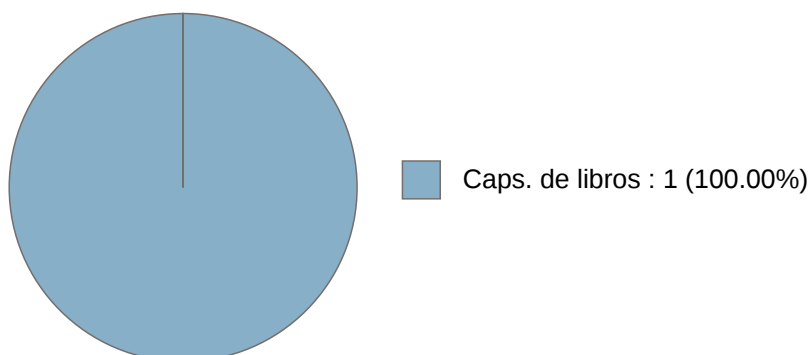
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|    |                                                                                                                                                           |                                                                           |                                     |      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------|------|
| 15 | Down-Modulation of Ca <sup>2+</sup> Channels by Endogenously Released ATP and Opioids: from the Isolated Chromaffin Cell to the Slice of Adrenal Medullae | A. Hernandez PEDRO DAVID SEGURA CHAMA ARTURO HERNANDEZ CRUZ et al.        | CELLULAR AND MOLECULAR NEUROBIOLOGY | 2010 |
| 16 | Comparison of Ca <sup>2+</sup> Currents of Chromaffin Cells from Normotensive Wistar Kyoto and Spontaneously Hypertensive Rats                            | PEDRO DAVID SEGURA CHAMA Adan Hernandez JOSE NICOLAS JIMENEZ PEREZ et al. | CELLULAR AND MOLECULAR NEUROBIOLOGY | 2010 |

**PEDRO DAVID SEGURA CHAMA**

## LIBROS Y CAPITULOS CON ISBN

### Obras con registro ISBN



| # | Título                                                                                                                                                                   | Autores                                                                                                 | Alcance              | Año  | ISBN          |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------|------|---------------|
| 1 | The Role of Ca <sup>2+</sup> Release from the Endoplasmic Reticulum in the Catecholamine Hypersecretion of Adrenal Chromaffin Cells from Spontaneously Hypertensive Rats | PEDRO DAVID SEGURA<br>CHAMA JOSE NICOLAS<br>JIMENEZ PEREZ CLAUDIA<br>VERONICA RIVERA<br>CERECEDO et al. | Capítulo de un Libro | 2013 | 9780128000441 |



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**PARTICIPACIÓN EN PROYECTOS**

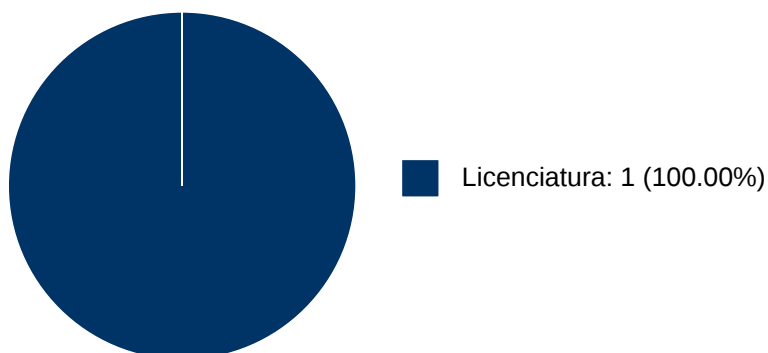
**No se encuentran registros en la base de datos de SISEPRO asociados a:**

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**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**

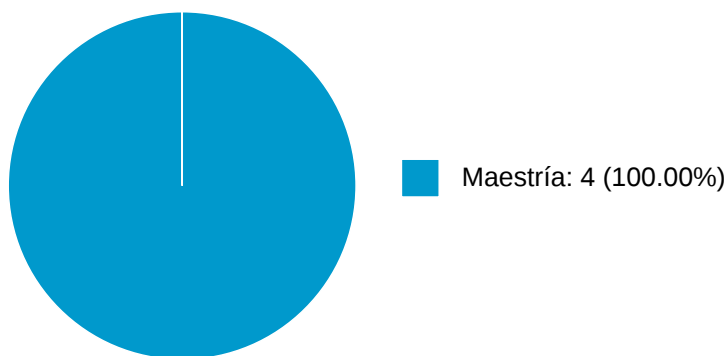


| # | Título del documento                                                                          | Tipo de Tesis         | Sinodales                             | Autores                                                              | Entidad                                       | Año  |
|---|-----------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|----------------------------------------------------------------------|-----------------------------------------------|------|
| 1 | Efecto de dos substratos celulares sobre la actividad espontánea de cardiomiocitos en cultivo | Tesis de Licenciatura | DANIEL DIAZ ESPINOSA DE LOS MONTEROS, | TATIANA FIORDELISIO COLL, GERTRUDIS HORTENSIA GONZALEZ GOMEZ, et al. | Facultad de Ciencias, Facultad de Ingeniería, | 2012 |

**PEDRO DAVID SEGURA CHAMA**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



| # | Nivel titulación | Asignatura                    | Entidad              | Alumnos | Semestre |
|---|------------------|-------------------------------|----------------------|---------|----------|
| 1 | Maestría         | TEMAS SELECTOS-394029         | Facultad de Ciencias | 1       | 2017-1   |
| 2 | Maestría         | BIOFISICA Y FISILOGIA CELULAR | Facultad de Ciencias | 8       | 2013-2   |
| 3 | Maestría         | BIOFISICA Y FISILOGIA CELULAR | Facultad de Ciencias | 3       | 2013-1   |
| 4 | Maestría         | TEMAS SELECTOS                | Facultad de Ciencias | 4       | 2012-2   |



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**PATENTES**

**No se encuentran registros en la base de datos de patentes asociados a:**

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**FUENTES DE INFORMACIÓN**

**Internos**

| # | Información                                                          | Fuente | Sistema     | Periodo   |
|---|----------------------------------------------------------------------|--------|-------------|-----------|
| 1 | Grupos ordinarios y resumen de historias académicas                  | DGAE   | SIAE        | 2008-2025 |
| 2 | Nombramientos, datos generales, estímulos, premios y reconocimientos | DGAPA  | RUPA        | 2008-2025 |
| 3 | Producción Académica                                                 | CH     | Humanindex  | 2008-2021 |
| 4 | Producción Académica                                                 | CIC    | SCIC        | 2000-2017 |
| 5 | Proyectos                                                            | DGPO   | SISEPRO     | 2018-2022 |
| 6 | Tesis                                                                | DGB    | TESIUNAM    | 2008-2025 |
| 7 | Tutorías en Posgrado                                                 | CGEP   | SIIPosgrado | 2008-2021 |

**Externos**

| #  | Información             | Fuente          | Sistema      | Periodo   |
|----|-------------------------|-----------------|--------------|-----------|
| 8  | Documentos Indexados    | Elsevier        | Scopus       | 2008-2025 |
| 9  | Documentos Indexados    | Thomson Reuters | WoS          | 2008-2025 |
| 10 | Obras con registro ISBN | INDAUTOR        | Agencia ISBN | 2008-2025 |
| 11 | Patentes                | IMPI            | SIGA         | 2008-2024 |