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## RECURSOS HUMANS – CONVOCATÒRIA DE VACANT

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### Supporting researcher in computational catalysis

#### ■ DESCRIPCIÓ DEL LLOC DE TREBALL / JOB POSITION DESCRIPTION

- Study the catalytic processes involved in alkane dehydrogenation.
- Identify descriptors that could help designing in-silico new catalyst materials.
- Assess the use of a reactive force field in the study of heterogeneous-catalyzed reactions enabling the handling of more realistic models.

#### ■ PERFIL DE LA PERSONA CANDIDATA /PROFILE OF THE CANDIDATE

- Bachelor degree in chemistry, with experience in computational chemistry

#### ■ REQUISITS/REQUISITES

- Background in computational chemistry with experience in periodic DFT calculations.
- Background in the use of reactive force fields.
- Fluency in written and oral English, and strong, written, oral communication skills.

#### ■ ES VALORARÀ / IT WILL BE CONSIDERED

- Background in machine learning techniques.
- Familiar with catalysis modelling.
- Interest in continuous improvements of processes by integrating innovative solutions.
- Ability to work as a team member, as well as independently with minimal supervision.

#### ■ CONDICIONS LABORALS / LABORAL CONDITIONS

- Jornada complet / Full time position
- Ubicació del lloc de treball / Laboratory: [Group of Quantum Chemistry, Inorganic and Physical Chemistry Dpt., Univ. Rovira i Virgili, Tarragona](#)
- Contracte d'obra i servei / Contract for a specific project or service
- Durada / Duration: 8 months
- Retribució / Gross salary: 1,600 € /month
- Incorporació / Starting data: August 1, 2021

#### ■ PROCEDIMENT DE SELECCIÓ / SELECTION PROCEDURE

- Evaluation of the CV (degree marks (3 points), experience in computational chemistry (3 points), mobility (1 point), publications (1 point))
- Interview: experience in computational chemistry (2 points), personal motivation (2 points).



■ **COMITÈ DE SELECCIÓ / SELECTION COMMITTEE**

- Dr. Josep Manel Ricart
- Dr. Jorge Juan Carbó
- Sra. Lourdes Jane

■ **SEND CV to A/e: [rrhh@fundacio.urv.cat](mailto:rrhh@fundacio.urv.cat) & [josep.ricart@urv.cat](mailto:josep.ricart@urv.cat)**

Applications will be considered until the position is filled.

■ **DATA LÍMIT DE RECEPCIÓ DE CV ( a emplenar per RRHH)**

July 12, 2021