

# Catherine JEUNESSE

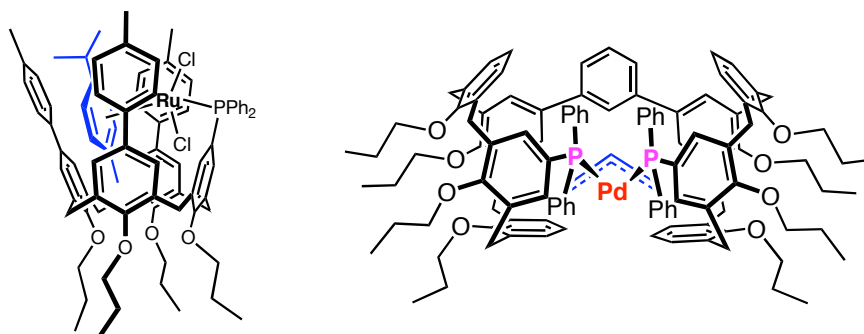
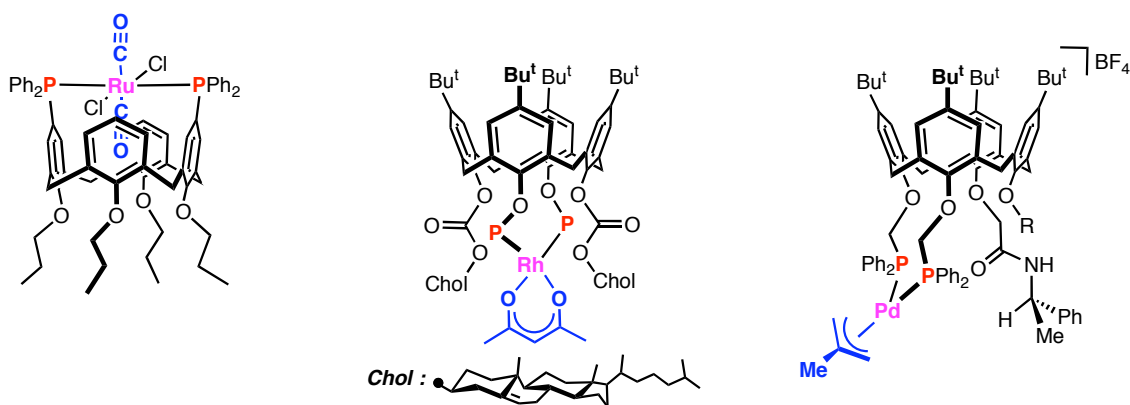
Maître de conférence

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## Thématiques de Recherches

Dans le cadre de la thématique "metallo-calixarène" développée dans mon laboratoire de rattachement, j'ai orienté mes recherches vers l'obtention de catalyseurs d'intérêts industriels construits sur des plateformes de type calix[4]arène. Je me suis focalisée d'une part sur la préparation de ligands originaux dérivés de calixarènes adaptés au piégeage d'entités organométalliques, le but étant de réaliser une réaction catalytique dans un espace confiné. Des résultats remarquables ont été obtenus en hydroformylation d'alcènes. D'autre part nous avons également utilisé des calixarènes comme plateformes cycliques pour la confection de sphères de coordinations sophistiquées. Dans les complexes dérivés, le métal est relié au châssis calixarénique mais en s'écartant. Parmi ceux-ci figurent des ligands imposant au métal complexé de fortes contraintes stériques. Ces travaux ont aboutis à la mise au point de catalyseurs de couplages C-C très efficaces (réactions stœchiométriques et catalytiques).

Mots Clefs : Catalyse métal-supramoléculaire, Hydroformylation, Oligomérisation, Méthodologies de synthèse de ligands phosphorés, fonctionnalisation sélectives de calixarènes, études des propriétés coordinantes des ligands, Caractérisation totale.



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