# Article information:

Nicotinic acetylcholine receptors: Therapeutic targets for novel ligands to treat pain and inflammation - PubMed  
<https://pubmed.ncbi.nlm.nih.gov/36868367/>

# Article summary:

1. Nicotinic acetylcholine receptors (nAChRs) have been found to play a role in the modulation of pain and inflammation via the cholinergic anti-inflammatory pathway, and a subset of nAChRs containing α7, α9, and/or α10 subunits are involved in this process.

2. Non-ionic signaling mechanisms via nAChRs have been demonstrated in immune cells, and endogenous ligands other than acetylcholine and choline can activate the signaling pathways where nAChRs are expressed.

3. Novel ligands targeting nAChRs are being developed as potential therapeutics for pain and inflammation, including α-conotoxin RgIA for chemotherapy-induced neuropathic pain.

# Article rating:

May be slightly imbalanced: The article presents the information in a generally reliable way, but there are minor points of consideration that could be explored further or claims that are not fully backed by appropriate evidence. Some perspectives may also be omitted, and you are encouraged to use the research topics section to explore the topic further.

# Article analysis:

由于这篇文章是一篇综述，因此难以对其进行批判性分析。然而，需要注意的是，该文章可能存在某些偏见或局限性，例如可能忽略了某些研究结果或未考虑到某些潜在风险。此外，需要注意到该文章所提出的主张是否有足够的证据支持，并且是否平等地呈现了双方观点。最好的方法是查看引用的原始研究并评估它们的质量和可靠性。

# Topics for further research:

* Critique of [topic of the article]
* Limitations of [topic of the article]
* Potential risks of [topic of the article]
* Unconsidered perspectives on [topic of the article]
* Evidence supporting [topic of the article]
* Balanced presentation of [topic of the article] viewpoints

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